John Ziebuhr

List of Publications by Year in Descending Order

76 papers	9,244 citations	39 h-index	83 g-index
83 ext. papers	10,941 ext. citations	8.2 avg, IF	5.85 L-index

#	Paper	IF	Citations
76	IFITM3 Interacts with the HBV/HDV Receptor NTCP and Modulates Virus Entry and Infection.. *Viruses*, **2022**, 14,	6.2	2
75	Rocaglates as Antivirals: Comparing the Effects on Viral Resistance, Anti-Coronaviral Activity, RNA-Clamping on eIF4A and Immune Cell Toxicity.. *Viruses*, **2022**, 14,	6.2	2
74	Inhibition of SARS-CoV-2 coronavirus proliferation by designer antisense-circRNAs. *Nucleic Acids Research*, **2021**, 49, 12502-12516	20.1	2
73	Targeting the DEAD-Box RNA Helicase eIF4A with Rocaglates-A Pan-Antiviral Strategy for Minimizing the Impact of Future RNA Virus Pandemics. *Microorganisms*, **2021**, 9,	4.9	6
72	Hallmarks of and non-structural protein 7+8 complexes. *Science Advances*, **2021**, 7,	14.3	9
71	Multilevel proteomics reveals host perturbations by SARS-CoV-2 and SARS-CoV. *Nature*, **2021**, 594, 246-252	5.24	150
70	SARS-CoV-2 Variants of Interest and Concern naming scheme conducive for global discourse. *Nature Microbiology*, **2021**, 6, 821-823	26.6	91
69	Conflicting and ambiguous names of overlapping ORFs in the SARS-CoV-2 genome: A homology-based resolution. *Virology*, **2021**, 558, 145-151	3.6	15
68	Immunoglobulin deficiency as an indicator of disease severity in patients with COVID-19. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2021**, 320, L590-L599	5.8	5
67	Structure-Activity Relationships of Benzamides and Isoindolines Designed as SARS-CoV Protease Inhibitors Effective against SARS-CoV-2. *ChemMedChem*, **2021**, 16, 340-354	3.7	17
66	Coronavirus replication-transcription complex: Vital and selective NMPylation of a conserved site in nsp9 by the NiRAN-RdRp subunit. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	39
65	The rocaglate CR-31-B (-) inhibits SARS-CoV-2 replication at non-cytotoxic, low nanomolar concentrations in vitro and ex vivo. *Antiviral Research*, **2021**, 186, 105012	10.8	12
64	Reprograming of sRNA target specificity by the leader peptide peTrpL in response to antibiotic exposure. *Nucleic Acids Research*, **2021**, 49, 2894-2915	20.1	3
63	Multi-level inhibition of coronavirus replication by chemical ER stress. *Nature Communications*, **2021** , 12, 5536	17.4	19
62	Comparison of broad-spectrum antiviral activities of the synthetic rocaglate CR-31-B (-) and the eIF4A-inhibitor Silvestrol. *Antiviral Research*, **2020**, 175, 104706	10.8	22
61	Structural basis for catalysis and substrate specificity of a 3C-like cysteine protease from a mosquito mesonivirus. *Virology*, **2019**, 533, 21-33	3.6	5
60	Transcription attenuation-derived small RNA rnTrpL regulates tryptophan biosynthesis gene expression in trans. *Nucleic Acids Research*, **2019**, 47, 6396-6410	20.1	17

59	Identification and Characterization of a Human Coronavirus 229E Nonstructural Protein 8-Associated RNA 3STerminal Adenylyltransferase Activity. *Journal of Virology*, **2019**, 93,	6.6	41
58	Direct RNA nanopore sequencing of full-length coronavirus genomes provides novel insights into structural variants and enables modification analysis. *Genome Research*, **2019**, 29, 1545-1554	9.7	112
57	Antiviral activity of K22 against members of the order Nidovirales. *Virus Research*, **2018**, 246, 28-34	6.4	14
56	Broad-spectrum antiviral activity of the eIF4A inhibitor silvestrol against corona- and picornaviruses. *Antiviral Research*, **2018**, 150, 123-129	10.8	103
55	Reverse Genetics for Type I Feline Coronavirus Field Isolate To Study the Molecular Pathogenesis of Feline Infectious Peritonitis. *MBio*, **2018**, 9,	7.8	7
54	A Single-Center Study of Viral Respiratory Tract Infections in Hospitalized Children From the Kurdistan Region of Iraq. *Global Pediatric Health*, **2018**, 5, 2333794X18784996	1.2	3
53	Characterization of a bafinivirus exoribonuclease activity. *Journal of General Virology*, **2018**, 99, 1253-1260	4.9	8
52	Inhibition of Cytosolic Phospholipase A Impairs an Early Step of Coronavirus Replication in Cell Culture. *Journal of Virology*, **2018**, 92,	6.6	70
51	Structural and functional conservation of cis-acting RNA elements in coronavirus 5Sterminal genome regions. *Virology*, **2018**, 517, 44-55	3.6	27
50	Rational Design of Novel Highly Potent and Selective Phosphatidylinositol 4-Kinase III (PI4KB) Inhibitors as Broad-Spectrum Antiviral Agents and Tools for Chemical Biology. *Journal of Medicinal Chemistry*, **2017**, 60, 100-118	8.3	34
49	Early endonuclease-mediated evasion of RNA sensing ensures efficient coronavirus replication. *PLoS Pathogens*, **2017**, 13, e1006195	7.6	131
48	The NF-B-dependent and -independent transcriptome and chromatin landscapes of human coronavirus 229E-infected cells. *PLoS Pathogens*, **2017**, 13, e1006286	7.6	61
47	Identification and characterization of a Golgi retention signal in feline coronavirus accessory protein 7b. *Journal of General Virology*, **2017**, 98, 2017-2029	4.9	3
46	Characterization of the 3rd International Standard for hepatitis B virus surface antigen (HBsAg). *Journal of Clinical Virology*, **2016**, 82, 166-172	14.5	4
45	Characterization of monoclonal antibodies against feline coronavirus accessory protein 7b. *Veterinary Microbiology*, **2016**, 184, 11-9	3.3	1
44	Phylogenetic analysis of human influenza A/H3N2 viruses isolated in 2015 in Germany indicates significant genetic divergence from vaccine strains. *Archives of Virology*, **2016**, 161, 1505-15	2.6	12
43	D, L-lysine acetylsalicylate + glycine Impairs Coronavirus Replication. *Journal of Antivirals & Antiretrovirals*, **2016**, 08,	2	16
42	The PB1 segment of an influenza A virus H1N1 2009pdm isolate enhances the replication efficiency of specific influenza vaccine strains in cell culture and embryonated eggs. *Journal of General Virology*, **2016**, 97, 620-631	4.9	11

41	Proteolytic processing of mesonivirus replicase polyproteins by the viral 3C-like protease. *Journal of General Virology*, **2016**, 97, 1439-1445	4.9	5
40	Identification of specific residues in avian influenza A virus NS1 that enhance viral replication and pathogenicity in mammalian systems. *Journal of General Virology*, **2016**, 97, 2135-2148	4.9	10
39	Influenza virus-induced caspase-dependent enlargement of nuclear pores promotes nuclear export of viral ribonucleoprotein complexes. *Journal of Virology*, **2015**, 89, 6009-21	6.6	46
38	In Silico Prediction and Experimental Confirmation of HA Residues Conferring Enhanced Human Receptor Specificity of H5N1 Influenza A Viruses. *Scientific Reports*, **2015**, 5, 11434	4.9	32
37	Studies of nosocomial outbreaks of hepatitis B in nursing homes in Germany suggest a major role of hepatitis B e antigen expression in disease severity and progression. *International Journal of Medical Microbiology*, **2015**, 305, 663-72	3.7	8
36	Development and evaluation of reverse transcription loop-mediated isothermal amplification assay for the detection of the fathead minnow nidovirus. *Journal of Virological Methods*, **2014**, 202, 39-45	2.6	7
35	Coronavirus Replicative Proteins **2014**, 65-81		7
34	RNA structure analysis of alphacoronavirus terminal genome regions. *Virus Research*, **2014**, 194, 76-89	6.4	27
33	Characterization of an alphamesonivirus 3C-like protease defines a special group of nidovirus main proteases. *Journal of Virology*, **2014**, 88, 13747-58	6.6	12
32	Middle East respiratory syndrome coronavirus (MERS-CoV): announcement of the Coronavirus Study Group. *Journal of Virology*, **2013**, 87, 7790-2	6.6	796
31	Identification and characterization of genetically divergent members of the newly established family Mesoniviridae. *Journal of Virology*, **2013**, 87, 6346-58	6.6	59
30	Mesoniviridae: a proposed new family in the order Nidovirales formed by a single species of mosquito-borne viruses. *Archives of Virology*, **2012**, 157, 1623-8	2.6	89
29	The ADP-ribose-1″-monophosphatase domains of severe acute respiratory syndrome coronavirus and human coronavirus 229E mediate resistance to antiviral interferon responses. *Journal of General Virology*, **2011**, 92, 1899-1905	4.9	67
28	An insect nidovirus emerging from a primary tropical rainforest. *MBio*, **2011**, 2, e00077-11	7.8	89
27	Nidovirus ribonucleases: Structures and functions in viral replication. *RNA Biology*, **2011**, 8, 295-304	4.8	49
26	Characterization of Bafinivirus main protease autoprocessing activities. *Journal of Virology*, **2011**, 85, 1348-59	6.6	17
25	Biochemical characterization of arterivirus nonstructural protein 11 reveals the nidovirus-wide conservation of a replicative endoribonuclease. *Journal of Virology*, **2009**, 83, 5671-82	6.6	82
24	Human coronavirus 229E papain-like proteases have overlapping specificities but distinct functions in viral replication. *Journal of Virology*, **2007**, 81, 3922-32	6.6	44

23	Identification of protease and ADP-ribose 1S monophosphatase activities associated with transmissible gastroenteritis virus non-structural protein 3. *Journal of General Virology*, **2006**, 87, 651-656	4.9	40
22	Characterization of White bream virus reveals a novel genetic cluster of nidoviruses. *Journal of Virology*, **2006**, 80, 11598-609	6.6	54
21	Discovery of an RNA virus 3S>5Sexoribonuclease that is critically involved in coronavirus RNA synthesis. *Proceedings of the National Academy of Sciences of the United States of America*, **2006**, 103, 5108-13	11.5	396
20	Crystal structure and mechanistic determinants of SARS coronavirus nonstructural protein 15 define an endoribonuclease family. *Proceedings of the National Academy of Sciences of the United States of America*, **2006**, 103, 11892-7	11.5	138
19	Nidovirales: evolving the largest RNA virus genome. *Virus Research*, **2006**, 117, 17-37	6.4	615
18	Design of wide-spectrum inhibitors targeting coronavirus main proteases. *PLoS Biology*, **2005**, 3, e324	9.7	392
17	ADP-ribose-1"-monophosphatase: a conserved coronavirus enzyme that is dispensable for viral replication in tissue culture. *Journal of Virology*, **2005**, 79, 12721-31	6.6	122
16	Major genetic marker of nidoviruses encodes a replicative endoribonuclease. *Proceedings of the National Academy of Sciences of the United States of America*, **2004**, 101, 12694-9	11.5	210
15	Rapid identification of coronavirus replicase inhibitors using a selectable replicon RNA. *Journal of General Virology*, **2004**, 85, 1717-1725	4.9	64
14	Molecular biology of severe acute respiratory syndrome coronavirus. *Current Opinion in Microbiology*, **2004**, 7, 412-9	7.9	150
13	The 3C-like proteinase of an invertebrate nidovirus links coronavirus and potyvirus homologs. *Journal of Virology*, **2003**, 77, 1415-26	6.6	55
12	Unique and conserved features of genome and proteome of SARS-coronavirus, an early split-off from the coronavirus group 2 lineage. *Journal of Molecular Biology*, **2003**, 331, 991-1004	6.5	947
11	Coronavirus main proteinase (3CLpro) structure: basis for design of anti-SARS drugs. *Science*, **2003**, 300, 1763-7	33.3	1140
10	Mechanisms and enzymes involved in SARS coronavirus genome expression. *Journal of General Virology*, **2003**, 84, 2305-2315	4.9	641
9	Structure of coronavirus main proteinase reveals combination of a chymotrypsin fold with an extra alpha-helical domain. *EMBO Journal*, **2002**, 21, 3213-24	13	426
8	Mutational analysis of the active centre of coronavirus 3C-like proteases. *Journal of General Virology*, **2002**, 83, 581-593	4.9	57
7	Conservation of substrate specificities among coronavirus main proteases. *Journal of General Virology*, **2002**, 83, 595-599	4.9	190
6	The autocatalytic release of a putative RNA virus transcription factor from its polyprotein precursor involves two paralogous papain-like proteases that cleave the same peptide bond. *Journal of Biological Chemistry*, **2001**, 276, 33220-32	5.4	114

5	The human coronavirus 229E superfamily 1 helicase has RNA and DNA duplex-unwinding activities with 5Sto-3Spolarity. *Rna*, **2000**, 6, 1056-68	5.8	112
4	Biochemical characterization of the equine arteritis virus helicase suggests a close functional relationship between arterivirus and coronavirus helicases. *Journal of Virology*, **2000**, 74, 9586-93	6.6	70
3	Virus-encoded proteinases and proteolytic processing in the Nidovirales. *Journal of General Virology*, **2000**, 81, 853-79	4.9	697
2	Processing of the human coronavirus 229E replicase polyproteins by the virus-encoded 3C-like proteinase: identification of proteolytic products and cleavage sites common to pp1a and pp1ab. *Journal of Virology*, **1999**, 73, 177-85	6.6	78
1	Coronaviruses, Toroviruses, and Arteriviruses		4