

# Giel G Van Dooren

## List of Publications by Year in descending order

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57  
papers

5,218  
citations

117625

34  
h-index

155660

55  
g-index

68  
all docs

68  
docs citations

68  
times ranked

4434  
citing authors

#	ARTICLE	IF	CITATIONS
1	Real-Time Analysis of Mitochondrial Electron Transport Chain Function in <i>Toxoplasma gondii</i> Parasites Using a Seahorse XFe96 Extracellular Flux Analyzer. <i>Bio-protocol</i> , 2022, 12, e4288.	0.4	9
2	A key cytosolic iron-sulfur cluster synthesis protein localizes to the mitochondrion of <i>Toxoplasma gondii</i> . <i>Molecular Microbiology</i> , 2021, 115, 968-985.	2.5	16
3	Divergent features of the coenzyme Q:cytochrome c oxidoreductase complex in <i>Toxoplasma gondii</i> parasites. <i>PLoS Pathogens</i> , 2021, 17, e1009211.	4.7	24
4	Control of human toxoplasmosis. <i>International Journal for Parasitology</i> , 2021, 51, 95-121.	3.1	91
5	Identifying the major lactate transporter of <i>Toxoplasma gondii</i> tachyzoites. <i>Scientific Reports</i> , 2021, 11, 6787.	3.3	10
6	A novel heteromeric pantothenate kinase complex in apicomplexan parasites. <i>PLoS Pathogens</i> , 2021, 17, e1009797.	4.7	8
7	Coordinated action of multiple transporters in the acquisition of essential cationic amino acids by the intracellular parasite <i>Toxoplasma gondii</i> . <i>PLoS Pathogens</i> , 2021, 17, e1009835.	4.7	8
8	Substrate-mediated regulation of the arginine transporter of <i>Toxoplasma gondii</i> . <i>PLoS Pathogens</i> , 2021, 17, e1009816.	4.7	9
9	Nanos gigantium humeris insidentes: old papers informing new research into <i>Toxoplasma gondii</i> . <i>International Journal for Parasitology</i> , 2021, 51, 1193-1193.	3.1	1
10	Characterization of the apicoplast-localized enzyme TgUroD in <i>Toxoplasma gondii</i> reveals a key role of the apicoplast in heme biosynthesis. <i>Journal of Biological Chemistry</i> , 2020, 295, 1539-1550.	3.4	23
11	The apicoplast and mitochondrion of <i>Toxoplasma gondii</i> . , 2020, , 499-545.		4
12	Measuring Solute Transport in <i>Toxoplasma gondii</i> Parasites. <i>Methods in Molecular Biology</i> , 2020, 2071, 245-268.	0.9	5
13	Same same, but different: Uncovering unique features of the mitochondrial respiratory chain of apicomplexans. <i>Molecular and Biochemical Parasitology</i> , 2019, 232, 111204.	1.1	35
14	Calcium negatively regulates secretion from dense granules in <i>Toxoplasma gondii</i> . <i>Cellular Microbiology</i> , 2019, 21, e13011.	2.1	18
15	Characterization of the ATP4 ion pump in <i>Toxoplasma gondii</i> . <i>Journal of Biological Chemistry</i> , 2019, 294, 5720-5734.	3.4	18
16	The tyrosine transporter of <i>Toxoplasma gondii</i> is a member of the newly defined apicomplexan amino acid transporter (ApiAT) family. <i>PLoS Pathogens</i> , 2019, 15, e1007577.	4.7	39
17	Identification of cryptic subunits from an apicomplexan ATP synthase. <i>ELife</i> , 2018, 7, .	6.0	59
18	Elucidating the mitochondrial proteome of <i>Toxoplasma gondii</i> reveals the presence of a divergent cytochrome c oxidase. <i>ELife</i> , 2018, 7, .	6.0	85

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19	Cationic amino acid transporters play key roles in the survival and transmission of apicomplexan parasites. <i>Nature Communications</i> , 2017, 8, 14455.	12.8	56
20	The Dark Side of the Chloroplast: Biogenesis, Metabolism and Membrane Biology of the Apicoplast. <i>Advances in Botanical Research</i> , 2017, 84, 145-185.	1.1	11
21	The Import of Proteins into the Mitochondrion of <i>Toxoplasma gondii</i> . <i>Journal of Biological Chemistry</i> , 2016, 291, 19335-19350.	3.4	56
22	Apicoplast-Localized Lysophosphatidic Acid Precursor Assembly Is Required for Bulk Phospholipid Synthesis in <i>Toxoplasma gondii</i> and Relies on an Algal/Plant-Like Glycerol 3-Phosphate Acyltransferase. <i>PLoS Pathogens</i> , 2016, 12, e1005765.	4.7	47
23	Red cells from ferrochelatase-deficient erythropoietic protoporphyria patients are resistant to growth of malarial parasites. <i>Blood</i> , 2015, 125, 534-541.	1.4	37
24	A serine-arginine-rich (SR) splicing factor modulates alternative splicing of over a thousand genes in <i>Toxoplasma gondii</i> . <i>Nucleic Acids Research</i> , 2015, 43, 4661-4675.	14.5	45
25	The Apical Complex Provides a Regulated Gateway for Secretion of Invasion Factors in <i>Toxoplasma</i> . <i>PLoS Pathogens</i> , 2014, 10, e1004074.	4.7	92
26	Characterization of the Chloroquine Resistance Transporter Homologue in <i>Toxoplasma gondii</i> . <i>Eukaryotic Cell</i> , 2014, 13, 1360-1370.	3.4	18
27	Erythropoietic Protoporphyrin Red Blood Cells Are Resistant to the Growth of Malarial Parasites. <i>Blood</i> , 2014, 124, 2670-2670.	1.4	0
28	The Algal Past and Parasite Present of the Apicoplast. <i>Annual Review of Microbiology</i> , 2013, 67, 271-289.	7.3	142
29	An Apicoplast Localized Ubiquitylation System Is Required for the Import of Nuclear-encoded Plastid Proteins. <i>PLoS Pathogens</i> , 2013, 9, e1003426.	4.7	63
30	TgCDPK3 Regulates Calcium-Dependent Egress of <i>Toxoplasma gondii</i> from Host Cells. <i>PLoS Pathogens</i> , 2012, 8, e1003066.	4.7	146
31	Apicoplast and Endoplasmic Reticulum Cooperate in Fatty Acid Biosynthesis in Apicomplexan Parasite <i>Toxoplasma gondii</i> . <i>Journal of Biological Chemistry</i> , 2012, 287, 4957-4971.	3.4	138
32	Tic22 Is an Essential Chaperone Required for Protein Import into the Apicoplast*. <i>Journal of Biological Chemistry</i> , 2012, 287, 39505-39512.	3.4	54
33	The Use and Abuse of Heme in Apicomplexan Parasites. <i>Antioxidants and Redox Signaling</i> , 2012, 17, 634-656.	5.4	62
34	An integrative bioinformatic predictor of protein sub-cellular localisation in malaria. <i>BMC Bioinformatics</i> , 2011, 12, .	2.6	1
35	Ciliate Pellicular Proteome Identifies Novel Protein Families with Characteristic Repeat Motifs That Are Common to Alveolates. <i>Molecular Biology and Evolution</i> , 2011, 28, 1319-1331.	8.9	55
36	Novel vacuoles in <i>Toxoplasma</i> . <i>Molecular Microbiology</i> , 2010, 76, 1335-1339.	2.5	2

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37	The Toxoplasma Apicoplast Phosphate Translocator Links Cytosolic and Apicoplast Metabolism and Is Essential for Parasite Survival. <i>Cell Host and Microbe</i> , 2010, 7, 62-73.	11.0	122
38	Genetic Evidence that an Endosymbiont-derived Endoplasmic Reticulum-associated Protein Degradation (ERAD) System Functions in Import of Apicoplast Proteins. <i>Journal of Biological Chemistry</i> , 2009, 284, 33683-33691.	3.4	163
39	Dynamic Imaging of T Cell-Parasite Interactions in the Brains of Mice Chronically Infected with <i>Toxoplasma gondii</i> . <i>Journal of Immunology</i> , 2009, 182, 6379-6393.	0.8	122
40	A Novel Dynamin-Related Protein Has Been Recruited for Apicoplast Fission in <i>Toxoplasma gondii</i> . <i>Current Biology</i> , 2009, 19, 267-276.	3.9	116
41	A Dynamin Is Required for the Biogenesis of Secretory Organelles in <i>Toxoplasma gondii</i> . <i>Current Biology</i> , 2009, 19, 277-286.	3.9	124
42	Dynamics of T Cell, Antigen-Presenting Cell, and Pathogen Interactions during Recall Responses in the Lymph Node. <i>Immunity</i> , 2009, 31, 342-355.	14.3	128
43	Dynamics of Neutrophil Migration in Lymph Nodes during Infection. <i>Immunity</i> , 2008, 29, 487-496.	14.3	366
44	<i>Toxoplasma gondii</i> Tic20 is essential for apicoplast protein import. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 13574-13579.	7.1	189
45	Building the Perfect Parasite: Cell Division in Apicomplexa. <i>PLoS Pathogens</i> , 2007, 3, e78.	4.7	147
46	Differential parasite drive. <i>Nature</i> , 2007, 450, 955-956.	27.8	11
47	Metabolic maps and functions of the Plasmodium mitochondrion. <i>FEMS Microbiology Reviews</i> , 2006, 30, 596-630.	8.6	227
48	Regulation of surface coat exchange by differentiating African trypanosomes. <i>Molecular and Biochemical Parasitology</i> , 2006, 147, 211-223.	1.1	44
49	Development of the endoplasmic reticulum, mitochondrion and apicoplast during the asexual life cycle of <i>Plasmodium falciparum</i> . <i>Molecular Microbiology</i> , 2005, 57, 405-419.	2.5	243
50	Metabolic maps and functions of the <i>Plasmodium falciparum</i> apicoplast. <i>Nature Reviews Microbiology</i> , 2004, 2, 203-216.	28.6	560
51	Localization of organellar proteins in <i>Plasmodium falciparum</i> using a novel set of transfection vectors and a new immunofluorescence fixation method. <i>Molecular and Biochemical Parasitology</i> , 2004, 137, 13-21.	1.1	401
52	Evolution: Red Algal Genome Affirms a Common Origin of All Plastids. <i>Current Biology</i> , 2004, 14, R514-R516.	3.9	228
53	Properties and prediction of mitochondrial transit peptides from <i>Plasmodium falciparum</i> . <i>Molecular and Biochemical Parasitology</i> , 2003, 132, 59-66.	1.1	120
54	Comment on "A Green Algal Apicoplast Ancestor". <i>Science</i> , 2003, 301, 49a-49.	12.6	68

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55	Processing of an Apicoplast Leader Sequence in <i>Plasmodium falciparum</i> and the Identification of a Putative Leader Cleavage Enzyme. <i>Journal of Biological Chemistry</i> , 2002, 277, 23612-23619.	3.4	151
56	Translocation of proteins across the multiple membranes of complex plastids. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2001, 1541, 34-53.	4.1	119
57	Traffic Jams: Protein Transport in <i>Plasmodium falciparum</i> . <i>Parasitology Today</i> , 2000, 16, 421-427.	3.0	64