

Frank Seeber

List of Publications by Year in descending order

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64
papers

2,671
citations

186265

28
h-index

189892

50
g-index

155
all docs

155
docs citations

155
times ranked

2551
citing authors

#	ARTICLE	IF	CITATIONS
1	The Plastid of <i>Toxoplasma gondii</i> Is Divided by Association with the Centrosomes. <i>Journal of Cell Biology</i> , 2000, 151, 1423-1434.	5.2	222
2	Prevalence, incidence estimations and risk factors of <i>Toxoplasma gondii</i> infection in Germany: a representative, cross-sectional, serological study. <i>Scientific Reports</i> , 2016, 6, 22551.	3.3	140
3	Metabolic Pathways in the Apicoplast of Apicomplexa. <i>International Review of Cell and Molecular Biology</i> , 2010, 281, 161-228.	3.2	134
4	<i>Toxoplasma gondii</i> scavenges host-derived lipoic acid despite its de novo synthesis in the apicoplast. <i>EMBO Journal</i> , 2006, 25, 3214-3222.	7.8	130
5	<i>Escherichia coli</i> β -galactosidase as an in vitro and in vivo reporter enzyme and stable transfection marker in the intracellular protozoan parasite <i>Toxoplasma gondii</i> . <i>Gene</i> , 1996, 169, 39-45.	2.2	128
6	Apicomplexan mitochondrial metabolism: a story of gains, losses and retentions. <i>Trends in Parasitology</i> , 2008, 24, 468-478.	3.3	116
7	BCKDH: The Missing Link in Apicomplexan Mitochondrial Metabolism Is Required for Full Virulence of <i>Toxoplasma gondii</i> and <i>Plasmodium berghei</i> . <i>PLoS Pathogens</i> , 2014, 10, e1004263.	4.7	115
8	Apicomplexan Parasites Possess Distinct Nuclear-encoded, but Apicoplast-localized, Plant-type Ferredoxin-NADP ⁺ Reductase and Ferredoxin. <i>Journal of Biological Chemistry</i> , 2001, 276, 5483-5490.	3.4	103
9	Reconstitution of an apicoplast-localised electron transfer pathway involved in the isoprenoid biosynthesis of <i>Plasmodium falciparum</i> . <i>FEBS Letters</i> , 2005, 579, 6433-6438.	2.8	91
10	Restriction enzyme-mediated integration elevates transformation frequency and enables co-transfection of <i>Toxoplasma gondii</i> . <i>Molecular and Biochemical Parasitology</i> , 1995, 74, 55-63.	1.1	84
11	Consensus sequence of translational initiation sites from <i>Toxoplasma gondii</i> genes. <i>Parasitology Research</i> , 1997, 83, 309-311.	1.6	79
12	Biogenesis of iron-sulphur clusters in amitochondriate and apicomplexan protists. <i>International Journal for Parasitology</i> , 2002, 32, 1207-1217.	3.1	77
13	Fosmidomycin Uptake into <i>Plasmodium</i> and <i>Babesia</i> -Infected Erythrocytes Is Facilitated by Parasite-Induced New Permeability Pathways. <i>PLoS ONE</i> , 2011, 6, e19334.	2.5	74
14	Apicomplexan parasites contain a single lipoic acid synthase located in the plastid. <i>FEBS Letters</i> , 2003, 547, 80-86.	2.8	71
15	Metabolic interactions between <i>Toxoplasma gondii</i> and its host. <i>F1000Research</i> , 2018, 7, 1719.	1.6	64
16	The Plant-Type Ferredoxin-NADP ⁺ Reductase/Ferredoxin Redox System as a Possible Drug Target Against Apicomplexan Human Parasites. <i>Current Pharmaceutical Design</i> , 2005, 11, 3159-3172.	1.9	63
17	From Entry to Early Dissemination— <i>Toxoplasma gondii</i> 's Initial Encounter With Its Host. <i>Frontiers in Cellular and Infection Microbiology</i> , 2019, 9, 46.	3.9	58
18	Recent advances in understanding apicomplexan parasites. <i>F1000Research</i> , 2016, 5, 1369.	1.6	56

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19	Biosynthetic Pathways of Plastid-Derived Organelles as Potential Drug Targets Against Parasitic Apicomplexa. <i>Current Drug Targets Immune, Endocrine and Metabolic Disorders</i> , 2003, 3, 99-109.	1.8	55
20	The plastid-derived organelle of protozoan human parasites as a target of established and emerging drugs. <i>Expert Opinion on Therapeutic Targets</i> , 2005, 9, 23-44.	3.4	50
21	Stem cell-derived cell cultures and organoids for protozoan parasite propagation and studying host-parasite interaction. <i>International Journal of Medical Microbiology</i> , 2012, 302, 203-209.	3.6	50
22	The Expression of a Plant-type Ferredoxin Redox System provides Molecular Evidence for a Plastid in the Early Dinoflagellate <i>Perkinsus marinus</i> . <i>Protist</i> , 2007, 158, 119-130.	1.5	46
23	<i>Giardia duodenalis</i> Arginine Deiminase Modulates the Phenotype and Cytokine Secretion of Human Dendritic Cells by Depletion of Arginine and Formation of Ammonia. <i>Infection and Immunity</i> , 2013, 81, 2309-2317.	2.2	46
24	Ferredoxin-NADP+ Reductase and Ferredoxin of the Protozoan Parasite <i>Toxoplasma gondii</i> Interact Productively in Vitro and in Vivo. <i>Journal of Biological Chemistry</i> , 2002, 277, 48463-48471.	3.4	44
25	Ferredoxin-NADP+ Reductase from <i>Plasmodium falciparum</i> Undergoes NADP+-dependent Dimerization and Inactivation: Functional and Crystallographic Analysis. <i>Journal of Molecular Biology</i> , 2007, 367, 501-513.	4.2	40
26	Mitochondrial lipoic acid scavenging is essential for <i>Plasmodium berghei</i> liver stage development. <i>Cellular Microbiology</i> , 2012, 14, 416-430.	2.1	40
27	Toxoplasmosis in Germany: Epidemiology, Diagnosis, Risk Factors, and Treatment. <i>Deutsches Ärzteblatt International</i> , 2019, 116, 435-444.	0.9	36
28	Translational Rodent Models for Research on Parasitic Protozoa—A Review of Confounders and Possibilities. <i>Frontiers in Cellular and Infection Microbiology</i> , 2017, 7, 238.	3.9	33
29	Harmonization of Protocols for Multi-Species Organoid Platforms to Study the Intestinal Biology of <i>Toxoplasma gondii</i> and Other Protozoan Infections. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020, 10, 610368.	3.9	32
30	Evidence of high exposure to <i>Toxoplasma gondii</i> in free-ranging and captive African carnivores. <i>International Journal for Parasitology: Parasites and Wildlife</i> , 2019, 8, 111-117.	1.5	30
31	<i>Toxoplasma gondii</i> and MHC-restricted antigen presentation: on degradation, transport and modulation. <i>International Journal for Parasitology</i> , 2001, 31, 1355-1369.	3.1	27
32	High Sensitivity of <i>Giardia duodenalis</i> to Tetrahydrolipstatin (Orlistat) In Vitro. <i>PLoS ONE</i> , 2013, 8, e71597.	2.5	23
33	In vitro maturation of <i>Toxoplasma gondii</i> bradyzoites in human myotubes and their metabolomic characterization. <i>Nature Communications</i> , 2022, 13, 1168.	12.8	20
34	<i>Toxoplasma gondii</i> : A Paraformaldehyde-Insensitive Diaphorase Activity Acts as a Specific Histochemical Marker for the Single Mitochondrion. <i>Experimental Parasitology</i> , 1998, 89, 137-139.	1.2	19
35	Patent searches as a complement to literature searches in the life sciences—a 'how-to' tutorial. <i>Nature Protocols</i> , 2007, 2, 2418-2428.	12.0	19
36	[1] Forward and reverse genetics in the study of the obligate, intracellular parasite <i>Toxoplasma gondii</i> . <i>Methods in Molecular Genetics</i> , 1995, 6, 3-29.	0.6	16

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37	Eukaryotic genomes contain a [2Fe–2S] ferredoxin isoform with a conserved C-terminal sequence motif. <i>Trends in Biochemical Sciences</i> , 2002, 27, 545-547.	7.5	16
38	A single in vivo-selected point mutation in the active center of <i>Toxoplasma gondii</i> ferredoxin-NADP+ reductase leads to an inactive enzyme with greatly enhanced affinity for ferredoxin. <i>FEBS Letters</i> , 2004, 576, 375-380.	2.8	16
39	<i>Toxoplasma gondii</i> plaque assays revisited: Improvements for ultrastructural and quantitative evaluation of lytic parasite growth. <i>Experimental Parasitology</i> , 2017, 180, 19-26.	1.2	16
40	Identification of Oocyst-Driven <i>Toxoplasma gondii</i> Infections in Humans and Animals through Stage-Specific Serology—Current Status and Future Perspectives. <i>Microorganisms</i> , 2021, 9, 2346.	3.6	16
41	Cloning and functional expression of the calmodulin gene from <i>Toxoplasma gondii</i> . <i>Molecular and Biochemical Parasitology</i> , 1999, 99, 295-299.	1.1	15
42	An enzyme-release assay for the assessment of the lytic activities of complement or antimicrobial peptides on extracellular <i>Toxoplasma gondii</i> . <i>Journal of Microbiological Methods</i> , 2000, 39, 189-196.	1.6	15
43	<i>Toxoplasma gondii</i> : analysis of the active site insertion of its ferredoxin-NADP+ reductase by peptide-specific antibodies and homology-based modeling. <i>Experimental Parasitology</i> , 2003, 103, 68-77.	1.2	13
44	Citations in supplementary information are invisible. <i>Nature</i> , 2008, 451, 887-887.	27.8	11
45	Membrane Topology and Transient Acylation of <i>Toxoplasma gondii</i> Glycosylphosphatidylinositols. <i>Eukaryotic Cell</i> , 2006, 5, 1420-1429.	3.4	10
46	Protein-protein interaction studies provide evidence for electron transfer from ferredoxin to lipoic acid synthase in <i>Toxoplasma gondii</i> . <i>FEBS Letters</i> , 2015, 589, 31-36.	2.8	10
47	<i>Toxoplasma gondii</i> apicoplast-resident ferredoxin is an essential electron transfer protein for the MEP isoprenoid-biosynthetic pathway. <i>Journal of Biological Chemistry</i> , 2022, 298, 101468.	3.4	10
48	Roles of the Species-Specific Subdomain and the N-Terminal Peptide of <i>Toxoplasma gondii</i> Ferredoxin-NADP+ Reductase in Ferredoxin Binding. <i>Biochemistry</i> , 2006, 45, 3563-3571.	2.5	9
49	Detection of Anti- <i>Toxoplasma gondii</i> Antibodies in Human Sera Using Synthetic Glycosylphosphatidylinositol Glycans on a Bead-Based Multiplex Assay. <i>Analytical Chemistry</i> , 2019, 91, 11215-11222.	6.5	9
50	Fluorescent bead-based serological detection of <i>Toxoplasma gondii</i> infection in chickens. <i>Parasites and Vectors</i> , 2020, 13, 388.	2.5	9
51	Expanding the Known Repertoire of C-Type Lectin Receptors Binding to <i>Toxoplasma gondii</i> Oocysts Using a Modified High-Resolution Immunofluorescence Assay. <i>MSphere</i> , 2021, 6, .	2.9	8
52	Localization of T and B Cell Stimulating Domains of the Immunodominant 33-kDa Protein of <i>Onchocerca volvulus</i> (Ov33). <i>Clinical Immunology and Immunopathology</i> , 1997, 85, 56-66.	2.0	7
53	<i>Onchocerca volvulus</i> and <i>Acanthocheilonema viteae</i> : cloning of cDNAs for muscle-cell intermediate filaments. <i>Zeitschrift für Parasitenkunde (Berlin, Germany)</i> , 1994, 80, 699-702.	0.8	6
54	From 3D to 2D: Harmonization of Protocols for Two-dimensional Cultures on Cell Culture Inserts of Intestinal Organoids from Various Species. <i>Bio-protocol</i> , 2022, 12, e4295.	0.4	6

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55	â€˜Transfectionâ€™ vs â€˜Transformationâ€™: Defining Terms. <i>Parasitology Today</i> , 2000, 16, 404.	3.0	5
56	The Apicoplast and Mitochondrion of <i>Toxoplasma gondii</i> . , 2014, , 297-350.		5
57	Estimates of Toxoplasmosis Incidence Based on Healthcare Claims Data, Germany, 2011â€“2016. <i>Emerging Infectious Diseases</i> , 2021, 27, 2097-2106.	4.3	5
58	Recombinant IFN- γ from the bank vole <i>Myodes glareolus</i> : a novel tool for research on rodent reservoirs of zoonotic pathogens. <i>Scientific Reports</i> , 2018, 8, 2797.	3.3	4
59	Expression of in vivo biotinylated recombinant antigens SAG1 and SAG2A from <i>Toxoplasma gondii</i> for improved seroepidemiological bead-based multiplex assays. <i>BMC Biotechnology</i> , 2020, 20, 53.	3.3	4
60	The apicoplast and mitochondrion of <i>Toxoplasma gondii</i> . , 2020, , 499-545.		4
61	Screening for common eye diseases in the elderly with Optos ultra-wide-field scanning laser ophthalmoscopy: a pilot study with focus on ocular toxoplasmosis. <i>International Ophthalmology</i> , 2021, 41, 1573-1584.	1.4	3
62	Malaria and Antimalarialsâ€“ A Focused View. , 0, , 277-298.		0
63	12th International Congress on Toxoplasmosis. <i>International Journal for Parasitology</i> , 2014, 44, 83-84.	3.1	0
64	<i>Toxoplasma</i> . , 2016, , 217-239.		0