Peter Rohloff

List of Publications by Year
in descending order

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117 papers	7,464 citations	201674 27 h-index	62596 80 g-index
121 all docs	121 docs citations	121 times ranked	7403 citing authors

#	Article	IF	Citations
1	Global Burden of Cardiovascular Diseases and Risk Factors, 1990â€“2019. Journal of the American College of Cardiology, 2020, 76, 2982-3021.	2.8	4,468
2	Polyphosphate modulates blood coagulation and fibrinolysis. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 903-908.	7.1	487
3	Acidocalcisomes ? conserved from bacteria to man. Nature Reviews Microbiology, 2005, 3, 251-261.	28.6	396
4	Characterization of a novel organelle in Toxoplasma gondii with similar composition and function to the plant vacuole. Molecular Microbiology, 2010, 76, 1358-1375.	2.5	152
5	Regulatory volume decrease in Trypanosoma cruzi involves amino acid efflux and changes in intracellular calcium. Molecular and Biochemical Parasitology, 2003, 126, 219-230.	1.1	117
6	The state of diabetes treatment coverage in 55 low-income and middle-income countries: a cross-sectional study of nationally representative, individual-level data in 680â€‰102 adults. The Lancet Healthy Longevity, 2021, 2, e340-e351.	4.6	108
7	Acidocalcisomes and the Contractile Vacuole Complex Are Involved in Osmoregulation in Trypanosoma cruzi. Journal of Biological Chemistry, 2004, 279, 52270-52281.	3.4	104
8	A Functional Aquaporin Co-Localizes with the Vacuolar Proton Pyrophosphatase to Acidocalcisomes and the Contractile Vacuole Complex of Trypanosoma cruzi. Journal of Biological Chemistry, 2004, 279, 38673-38682.	3.4	103
9	Identification of Contractile Vacuole Proteins in Trypanosoma cruzi. PLoS ONE, 2011, 6, e18013.	2.5	69
10	A contractile vacuole complex is involved in osmoregulation in Trypanosoma cruzi. Experimental Parasitology, 2008, 118, 17-24.	1.2	68
11	Wearables for Pediatric Rehabilitation: How to Optimally Design and Use Products to Meet the Needs of Users. Physical Therapy, 2019, 99, 647-657.	2.4	62
12	Ablation of a small transmembrane protein of Trypanosoma brucei (TbVTC1) involved in the synthesis of polyphosphate alters acidocalcisome biogenesis and function, and leads to a cytokinesis defect. Biochemical Journal, 2007, 407, 161-170.	3.7	59
13	Trypanosoma brucei Plasma Membrane-Type Ca2+-ATPase 1 (TbPMC1) and 2 (TbPMC2) Genes Encode Functional Ca2+-ATPases Localized to the Acidocalcisomes and Plasma Membrane, and Essential for Ca2+ Homeostasis and Growth. Journal of Biological Chemistry, 2004, 279, 14427-14439.	3.4	56
14	Mixedâ€methods study identifies key strategies for improving infant and young child feeding practices in a highly stunted rural indigenous population in <scp>G</scp>uatemala. Maternal and Child Nutrition, 2016, 12, 262-277.	3.0	48
15	Adaptor Protein-3 (AP-3) Complex Mediates the Biogenesis of Acidocalcisomes and Is Essential for Growth and Virulence of Trypanosoma brucei*. Journal of Biological Chemistry, 2011, 286, 36619-36630.	3.4	43
16	Role for a P-type H+-ATPase in the acidification of the endocytic pathway of Trypanosoma cruzi. Biochemical Journal, 2005, 392, 467-474.	3.7	42
17	Characterization of Isolated Acidocalcisomes from Toxoplasma gondii Tachyzoites Reveals a Novel Pool of Hydrolyzable Polyphosphate. Journal of Biological Chemistry, 2002, 277, 48650-48656.	3.4	41
18	Use of statins for the prevention of cardiovascular disease in 41 low-income and middle-income countries: a cross-sectional study of nationally representative, individual-level data. The Lancet Global Health, 2022, 10, e369-e379.	6.3	41

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19	mHealth intervention to improve the continuum of maternal and perinatal care in rural Guatemala: a pragmatic, randomized controlled feasibility trial. Reproductive Health, 2018, 15, 120.	3.1	40
20	Calcium Uptake and Proton Transport by Acidocalcisomes of Toxoplasma gondii. PLoS ONE, 2011, 6, e18390.	2.5	36
21	A Solanesyl-diphosphate Synthase Localizes in Glycosomes of Trypanosoma cruzi. Journal of Biological Chemistry, 2006, 281, 39339-39348.	3.4	35
22	Indigenous languages and global health. The Lancet Global Health, 2018, 6, e134-e135.	6.3	35
23	The changing role of indigenous lay midwives in Guatemala: New frameworks for analysis. Midwifery, 2013, 29, 852-858.	2.3	34
24	Characterization of Farnesylated Protein Tyrosine Phosphatase TcPRL-1 from Trypanosoma cruzi. Eukaryotic Cell, 2005, 4, 1550-1561.	3.4	33
25	Overexpression of a Zn2+-sensitive Soluble Exopolyphosphatase from Trypanosoma cruzi Depletes Polyphosphate and Affects Osmoregulation. Journal of Biological Chemistry, 2007, 282, 32501-32510.	3.4	33
26	An mHealth monitoring system for traditional birth attendant-led antenatal risk assessment in rural Guatemala. Journal of Medical Engineering and Technology, 2016, 40, 356-371.	1.4	33
27	Determining adult type 2 diabetes-related health care needs in an indigenous population from rural Guatemala: a mixed-methods preliminary study. BMC Health Services Research, 2012, 12, 476.	2.2	30
28	Obstetric care navigation: a new approach to promote respectful maternity care and overcome barriers to safe motherhood. Reproductive Health, 2017, 14, 148.	3.1	30
29	"Beyond Development": A Critical Appraisal of the Emergence of Small Health Care Non-Governmental Organizations in Rural Guatemala. Human Organization, 2011, 70, 427-437.	0.3	28
30	Development, language revitalization, and culture. Culture and Language Use, 0, , 177-194.	0.2	26
31	Major challenges to scale up of visual inspection-based cervical cancer prevention programs: the experience of Guatemalan NGOs. Global Health, Science and Practice, 2014, 2, 307-317.	1.7	25
32	Health system interventions for adults with type 2 diabetes in low- and middle-income countries: A systematic review and meta-analysis. PLoS Medicine, 2020, 17, e1003434.	8.4	24
33	The Normalization of Childhood Disease: An Ethnographic Study of Child Malnutrition in Rural Guatemala. Human Organization, 2013, 72, 87-97.	0.3	22
34	Mobile Technologies and Cervical Cancer Screening in Low- and Middle-Income Countries: A Systematic Review. JCO Global Oncology, 2020, 6, 617-627.	1.8	22
35	Ammonium production during hypo-osmotic stress leads to alkalinization of acidocalcisomes and cytosolic acidification in Trypanosoma cruzi. Molecular and Biochemical Parasitology, 2006, 150, 249-255.	1.1	21
36	Barriers to Cervical Cancer Screening and the Cervical Cancer Care Continuum in Rural Guatemala: A Mixed-Method Analysis. Journal of Global Oncology, 2018, 4, 1-10.	0.5	20

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37	Accompanying indigenous Maya patients with complex medical needs: A patient navigation system in rural Guatemala. Healthcare, 2018, 6, 144-149.	1.3	19
38	Complementary feeding intervention on stunted Guatemalan children: a randomised controlled trial. BMJ Paediatrics Open, 2018, 2, e000213.	1.4	19
39	Navigating Bureaucracy: Accompanying Indigenous Maya Patients with Complex Health Care Needs in Guatemala. Human Organization, 2016, 75, 305-314.	0.3	18
40	Challenges in the provision of kidney care at the largest public nephrology center in Guatemala: a qualitative study with health professionals. BMC Nephrology, 2020, 21, 71.	1.8	18
41	Perceptions and utilization of generic medicines in Guatemala: a mixed-methods study with physicians and pharmacy staff. BMC Health Services Research, 2017, 17, 27.	2.2	17
42	Exploring mechanisms of food insecurity in indigenous agricultural communities in Guatemala: a mixed methods study. BMC Nutrition, 2016, 2, .	1.6	16
43	A Home-Based Type 2 Diabetes Self-Management Intervention in Rural Guatemala. Preventing Chronic Disease, 2017, 14, E65.	3.4	16
44	Improving the Quality of Point of Care Diagnostics with Real-Time Machine Learning in Low Literacy LMIC Settings. , 2018, , .		16
45	An open source autocorrelation-based method for fetal heart rate estimation from one-dimensional Doppler ultrasound. Physiological Measurement, 2019, 40, 025005.	2.1	16
46	Obstetric care navigation: results of a quality improvement project to provide accompaniment to women for facility-based maternity care in rural Guatemala. BMJ Quality and Safety, 2020, 29, 169-178.	3.7	16
47	Cultural considerations for informed consent in paediatric research in low/middle-income countries: a scoping review. BMJ Paediatrics Open, 2018, 2, e000298.	1.4	13
48	Agile Development of a Smartphone App for Perinatal Monitoring in a Resource-Constrained Setting. Journal of Health Informatics in Developing Countries, 2017, 11, .	2.0	13
49	Chronic Malnutrition, Breastfeeding, and Ready To Use Supplementary Food in a Guatemalan Maya Town. Human Organization, 2014, 73, 72-81.	0.3	12
50	Insights into Global Health Practice from the Agile Software Development Movement. Global Health Action, 2016, 9, 29836.	1.9	12
51	Rural-Urban Differences in Diabetes Care and Control in 42 Low- and Middle-Income Countries: A Cross-sectional Study of Nationally Representative Individual-Level Data. Diabetes Care, 2022, 45, 1961-1970.	8.6	12
52	A Patient Navigation System to Minimize Barriers for Peritoneal Dialysis in Rural, Low-Resource Settings: Case Study From Guatemala. Kidney International Reports, 2017, 2, 762-765.	0.8	11
53	Implementation and Outcomes of a Comprehensive Type 2 Diabetes Program in Rural Guatemala. PLoS ONE, 2016, 11, e0161152.	2.5	11
54	Correlates of long-acting reversible contraception uptake among rural women in Guatemala. PLoS ONE, 2018, 13, e0199536.	2.5	10

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55	Advancing child nutrition science in the scaling up nutrition era: a systematic scoping review of stunting research in Guatemala. BMJ Paediatrics Open, 2019, 3, e000571.	1.4	10
56	Implications of gender and household roles in Indigenous Maya communities in Guatemala for child nutrition interventions. International Journal of Indigenous Health, 2014, 10, 100-113.	0.4	10
57	Fertility Awareness Methods Are Not Modern Contraceptives: Defining Contraception to Reflect Our Priorities. Global Health, Science and Practice, 2016, 4, 342-345.	1.7	9
58	Impact of school and work status on diet and physical activity in rural Guatemalan adolescent girls: a qualitative study. Annals of the New York Academy of Sciences, 2020, 1468, 16-24.	3.8	9
59	Population Estimates of GFR and Risk Factors for CKD in Guatemala. Kidney International Reports, 2021, 6, 796-805.	0.8	9
60	A review of fetal cardiac monitoring, with a focus on low- and middle-income countries. Physiological Measurement, 2020, 41, 11TR01.	2.1	9
61	A quality improvement project using statistical process control methods for type 2 diabetes control in a resource-limited setting. International Journal for Quality in Health Care, 2017, 29, 593-601.	1.8	8
62	Screening for chronic kidney disease in a community-based diabetes cohort in rural Guatemala: a cross-sectional study. BMJ Open, 2018, 8, e019778.	1.9	8
63	Community-Based Interventions to Reduce Child Stunting in Rural Guatemala: A Quality Improvement Model. International Journal of Environmental Research and Public Health, 2021, 18, 773.	2.6	8
64	Male Influence on Infant Feeding in Rural Guatemala and Implications for Child Nutrition Interventions. Breastfeeding Medicine, 2011, 6, 227-231.	1.7	7
65	Feasibility of satellite image and GIS sampling for population representative surveys: a case study from rural Guatemala. International Journal of Health Geographics, 2020, 19, 56.	2.5	7
66	Academy of Nutrition and Dietetics Nutrition Research Network: A Home Garden Intervention Improves Child Length-for-Age Z-Score and Household-Level Crop Count and Nutritional Functional Diversity in Rural Guatemala. Journal of the Academy of Nutrition and Dietetics, 2022, 122, 640-649.e12.	0.8	7
67	Patient Navigation and Access to Cancer Care in Guatemala. Journal of Global Oncology, 2018, 4, 1-3.	0.5	6
68	Associations between contraception and stunting in Guatemala: secondary analysis of the 2014â€“2015 Demographic and Health Survey. BMJ Paediatrics Open, 2019, 3, e000510.	1.4	6
69	Argininemia as a cause of severe chronic stunting in a low-resource developing country setting: a case report. BMC Pediatrics, 2016, 16, 142.	1.7	5
70	Aid and Gendered Subjectivity in Rural Guatemala. Journal of Development Studies, 2017, 53, 2164-2178.	2.1	5
71	Treatment of end-stage renal disease with continuous ambulatory peritoneal dialysis in rural Guatemala. BMJ Case Reports, 2018, 2018, bcr-2017-223641.	0.5	5
72	A Proxy for Detecting IUGR Based on Gestational Age Estimation in a Guatemalan Rural Population. Frontiers in Artificial Intelligence, 2020, 3, 56.	3.4	5

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73	CNN-Based LCD Transcription of Blood Pressure From a Mobile Phone Camera. Frontiers in Artificial Intelligence, 2021, 4, 543176.	3.4	5
74	Hybrid type 1 effectiveness/implementation trial of the international Guide for Monitoring Child Development: protocol for a cluster-randomised controlled trial. BMJ Paediatrics Open, 2021, 5, e001254.	1.4	5
75	Use of propranolol in a remote region of rural Guatemala to treat a large facial infantile haemangioma. BMJ Case Reports, 2017, 2017, bcr-2017-219782.	0.5	4
76	Developmental outcomes of an individualised complementary feeding intervention for stunted children: a substudy from a larger randomised controlled trial in Guatemala. BMJ Paediatrics Open, 2018, 2, e000314.	1.4	4
77	Estimating birth weight from observed postnatal weights in a Guatemalan highland community. Physiological Measurement, 2020, 41, 025008.	2.1	4
78	Implementation of a Diabetes Self-Management Education and Support Intervention in Rural Guatemala: A Mixed-Methods Evaluation Using the RE-AIM Framework. Preventing Chronic Disease, 2021, 18, E100.	3.4	4
79	Improving Infant and Young Child Nutrition in a Highly Stunted Rural Community: A Practical Case Study from Guatemala. , 2017, , 1-19.		3
80	Expanding access to primary healthcare for women through a microfinance institution: A case study from rural Guatemala. Healthcare, 2018, 6, 223-230.	1.3	3
81	CKD Care and Research in Guatemala: Overview and Meeting Report. Kidney International Reports, 2020, 5, 1567-1575.	0.8	3
82	Diet quality, school attendance, and body weight status in adolescent girls in rural Guatemala. Annals of the New York Academy of Sciences, 2021, 1494, 59-69.	3.8	3
83	Academy of Nutrition and Dietetics Nutrition Research Network: The Saqmolo' Project Rationale and Study Protocol for a Randomized Controlled Trial Examining the Influence of Daily Complementary Feeding of Eggs on Infant Development and Growth in Guatemala. Journal of the Academy of Nutrition and Dietetics, 2022, 122, 432-444.	0.8	3
84	Improving Infant and Young Child Nutrition in a Highly Stunted Rural Community: A Practical Case Study from Guatemala. , 2019, , 2381-2398.		3
85	Lay Midwives: On the Front Lines of the Fight Against Maternal Mortality in Rural Guatemala. American Journal of Tropical Medicine and Hygiene, 2019, 100, 237-238.	1.4	3
86	Adolescent Rights and the "First 1,000 days" Global Nutrition Movement: A View from Guatemala. Health and Human Rights, 2018, 20, 295-301.	1.3	3
87	Liberation theology and the voice of the indigenous other in Guatemala. Canadian Geographer / Geographie Canadien, 2010, 54, 375-377.	1.5	2
88	Scapular prolapse into the intrathoracic cavity in a lung transplant patient. Lancet, The, 2014, 384, 1476.	13.7	2
89	Investigating barriers and facilitators to facilityâ€level births in rural Guatemala. International Journal of Gynecology and Obstetrics, 2019, 146, 386-387.	2.3	2
90	Working with lay midwives to improve the detection of neonatal complications in rural Guatemala. BMJ Open Quality, 2020, 9, e000775.	1.1	2

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91	Collecting Infant Environmental and Experiential Data Using Smartphone Surveys. Pediatric Physical Therapy, 2021, 33, 47-49.	0.6	2
92	Fluid illness. Medicine Anthropology Theory, 2019, 6, .	0.3	2
93	Projecting the Impact of Nutrition Policy to Improve Child Stunting: A Case Study in Guatemala Using the Lives Saved Tool. Global Health, Science and Practice, 2021, 9, 752-764.	1.7	2
94	The Relationship between Corner Stores and the Ultra-processed Food and Beverage Industry in Guatemala: Stocking, Advertising, and Trust. Journal of Hunger and Environmental Nutrition, 0, , 1-16.	1.9	2
95	Use of progesterone implants in low-resource settings: preliminary outcomes of a longitudinal cohort of progesterone implant users in rural Guatemala. Contraception, 2017, 96, 294.	1.5	1
96	Myxoedema in a patient with achondroplasia in rural area of Guatemala. BMJ Case Reports, 2017, 2017, bcr2016218506.	0.5	1
97	Delays in diagnosis and treatment of extrapulmonary tuberculosis in Guatemala. BMJ Case Reports, 2017, 2017, bcr-2017-220777.	0.5	1
98	Comments on â€œA multicountry randomized controlled trial of comprehensive maternal nutrition supplementation initiated before conception: the Women First trialâ€• American Journal of Clinical Nutrition, 2019, 110, 526-527.	4.7	1
99	On the frontlines of chronic paediatric undernutrition in Guatemala. EBioMedicine, 2021, 64, 103223.	6.1	1
100	Improving the experience of facility-based delivery for vulnerable women through obstetric care navigation: a qualitative evaluation. BMC Pregnancy and Childbirth, 2021, 21, 425.	2.4	1
101	Why women choose to to seek facility-level obstetrical care in rural Guatemala: A qualitative study. Midwifery, 2021, 103, 103097.	2.3	1
102	A Patient with Fevers and Fatigue. New England Journal of Medicine, 2013, 368, e9.	27.0	1
103	Loss to Follow-Up and the Care Cascade for Cervical Cancer Care in Rural Guatemala: A Cross-Sectional Study. JCO Global Oncology, 2022, 8, e2100286.	1.8	1
104	Perceptions of chronic kidney disease among at-risk adults in rural Guatemala. Global Public Health, 2021, 16, 623-638.	2.0	0
105	Reconstructing Referrals: Overcoming Barriers to Quality Obstetric Care for Maya Women in Guatemala Through Care Navigation. Global Maternal and Child Health, 2021, , 171-184.	0.1	0
106	The Saqmoloâ€™ Project: Protocol for a Randomized Controlled Trial Examining the Impact of Daily Complementary Feeding of Eggs on Infant Development and Growth in Guatemala. Current Developments in Nutrition, 2021, 5, 162.	0.3	0
107	Out-of-Pocket Costs for Facility-Based Obstetrical Care in Rural Guatemala. Annals of Global Health, 2021, 87, 75.	2.0	0
108	Patrones alimentarios y agrÃ¢colas de hogares con niÃ±os desnutridos en dos comunidades indÃgenas con distinto nivel socioeconÃ³mico en Guatemala. Estudios Sociales, 2019, 30, .	0.2	0

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109	A Qualitative Comparison of Long- and Short-acting Hormonal Method: Usersâ€™ Perspectives on Method Selection in Rural Guatemala. International Journal of Women's Health and Reproduction Sciences, 2020, 8, 338-346.	0.4	0
110	Mixed-Methods Implementation Study of a Home Garden Intervention in Rural Guatemala Using the RE-AIM Framework. Journal of the Academy of Nutrition and Dietetics, 2022, , .	0.8	0
111	Title is missing!. , 2020, 17, e1003434.		0
112	Title is missing!. , 2020, 17, e1003434.		0
113	Title is missing!. , 2020, 17, e1003434.		0
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116	Title is missing!. , 2020, 17, e1003434.		0
117	Title is missing!. , 2020, 17, e1003434.		0