

M S Riana Bornman

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

87
papers

2,034
citations

23
h-index

41
g-index

101
ext. papers

2,407
ext. citations

6.1
avg, IF

4.72
L-index

#	Paper	IF	Citations
87	Impaired semen quality associated with environmental DDT exposure in young men living in a malaria area in the Limpopo Province, South Africa. <i>Journal of Andrology</i> , 2007 , 28, 423-34		146
86	DDT contamination from indoor residual spraying for malaria control. <i>Science of the Total Environment</i> , 2010 , 408, 2745-52	10.2	95
85	A path forward in the debate over health impacts of endocrine disrupting chemicals. <i>Environmental Health</i> , 2014 , 13, 118	6	87
84	Association between prenatal exposure to multiple insecticides and child body weight and body composition in the VHEMBE South African birth cohort. <i>Environment International</i> , 2018 , 113, 122-132	12.9	81
83	High levels of DDT in breast milk: intake, risk, lactation duration, and involvement of gender. <i>Environmental Pollution</i> , 2012 , 170, 63-70	9.3	62
82	DDT and urogenital malformations in newborn boys in a malarial area. <i>BJU International</i> , 2010 , 106, 405-416	3.6	59
81	Stage-related increase in the proportion of apoptotic germ cells and altered frequencies of stages in the spermatogenic cycle following gestational, lactational, and direct exposure of male rats to p-nonylphenol. <i>Toxicological Sciences</i> , 2007 , 95, 249-56	4.4	54
80	Human origins in a southern African palaeo-wetland and first migrations. <i>Nature</i> , 2019 , 575, 185-189	50.4	50
79	Sperm chromatin integrity in DDT-exposed young men living in a malaria area in the Limpopo Province, South Africa. <i>Human Reproduction</i> , 2009 , 24, 2429-38	5.7	47
78	Manufacturing doubt about endocrine disrupter science--A rebuttal of industry-sponsored critical comments on the UNEP/WHO report "State of the Science of Endocrine Disrupting Chemicals 2012". <i>Regulatory Toxicology and Pharmacology</i> , 2015 , 73, 1007-17	3.4	46
77	Intersex in feral indigenous freshwater <i>Oreochromis mossambicus</i> , from various parts in the Luvuvhu River, Limpopo Province, South Africa. <i>Ecotoxicology and Environmental Safety</i> , 2010 , 73, 1537-42	7.2	44
76	Semen quality and fertility of men employed in a South African lead acid battery plant. <i>American Journal of Industrial Medicine</i> , 1997 , 32, 369-76	2.7	39
75	Prenatal Exposure to DDT and Pyrethroids for Malaria Control and Child Neurodevelopment: The VHEMBE Cohort, South Africa. <i>Environmental Health Perspectives</i> , 2018 , 126, 047004	8.4	36
74	Whole-Genome Sequencing Reveals Elevated Tumor Mutational Burden and Initiating Driver Mutations in African Men with Treatment-Naïve, High-Risk Prostate Cancer. <i>Cancer Research</i> , 2018 , 78, 6736-6746	10.1	36
73	Histopathological changes in the reproductive system (ovaries and testes) of <i>Oreochromis mossambicus</i> following exposure to DDT. <i>Environmental Toxicology and Pharmacology</i> , 2009 , 28, 133-9	5.8	34
72	Clinical presentation of prostate cancer in black South Africans. <i>Prostate</i> , 2014 , 74, 880-91	4.2	30
71	Next generation mapping reveals novel large genomic rearrangements in prostate cancer. <i>Oncotarget</i> , 2017 , 8, 23588-23602	3.3	30

70	Occurrence, fate and toxic effects of the industrial endocrine disrupter, nonylphenol, on plants - A review. <i>Ecotoxicology and Environmental Safety</i> , 2019 , 181, 419-427	7	28
69	Histological changes in the gills of <i>Clarias gariepinus</i> (Teleostei: Clariidae) from a polluted South African urban aquatic system. <i>African Journal of Aquatic Science</i> , 2009 , 34, 283-291	1.6	28
68	Multicenter study on reproducibility of sperm morphology assessments. <i>Archives of Andrology</i> , 1998 , 41, 103-14		27
67	Simultaneous exposure to low concentrations of dichlorodiphenyltrichloroethane, deltamethrin, nonylphenol and phytoestrogens has negative effects on the reproductive parameters in male Sprague-Dawley rats. <i>Andrologia</i> , 2007 , 39, 128-35	2.4	27
66	Levels and Determinants of DDT and DDE Exposure in the VHEMBE Cohort. <i>Environmental Health Perspectives</i> , 2017 , 125, 077006	8.4	22
65	Exposure to DDT and hypertensive disorders of pregnancy among South African women from an indoor residual spraying region: The VHEMBE study. <i>Environmental Research</i> , 2018 , 162, 49-54	7.9	22
64	Environmental pollutants and diseases of sexual development in humans and wildlife in South Africa: harbingers of impact on overall health?. <i>Reproduction in Domestic Animals</i> , 2012 , 47 Suppl 4, 327-32 ¹⁶		22
63	mSpray: a mobile phone technology to improve malaria control efforts and monitor human exposure to malaria control pesticides in Limpopo, South Africa. <i>Environment International</i> , 2014 , 68, 219-26	12.9	21
62	Metagenomic analysis reveals a rich bacterial content in high-risk prostate tumors from African men. <i>Prostate</i> , 2019 , 79, 1731-1738	4.2	20
61	Estimation of human body concentrations of DDT from indoor residual spraying for malaria control. <i>Environmental Pollution</i> , 2012 , 169, 235-41	9.3	20
60	Calcium-mediated apoptosis plays a central role in the pathogenesis of estrogenic chemical-induced neurotoxicity. <i>Medical Hypotheses</i> , 2005 , 65, 893-904	3.8	20
59	Spectrum of mitochondrial genomic variation and associated clinical presentation of prostate cancer in South African men. <i>Prostate</i> , 2016 , 76, 349-58	4.2	19
58	Alterations in male reproductive hormones in relation to environmental DDT exposure. <i>Environment International</i> , 2018 , 113, 281-289	12.9	18
57	Undisturbed dust as a metric of long-term indoor insecticide exposure: Residential DDT contamination from indoor residual spraying and its association with serum levels in the VHEMBE cohort. <i>Environment International</i> , 2015 , 85, 163-7	12.9	17
56	Associations of Maternal Exposure to Dichlorodiphenyltrichloroethane and Pyrethroids With Birth Outcomes Among Participants in the Venda Health Examination of Mothers, Babies and Their Environment Residing in an Area Sprayed for Malaria Control. <i>American Journal of Epidemiology</i> , 2019 , 188, 130-140	3.8	17
55	Testicular apoptosis in feral <i>Clarias gariepinus</i> using TUNEL and cleaved caspase-3 immunohistochemistry. <i>Ecotoxicology and Environmental Safety</i> , 2008 , 71, 41-6	7	17
54	TMPRSS2-ERG fusions linked to prostate cancer racial health disparities: A focus on Africa. <i>Prostate</i> , 2019 , 79, 1191-1196	4.2	16
53	First report of the concentrations and implications of DDT residues in chicken eggs from a malaria-controlled area. <i>Chemosphere</i> , 2015 , 137, 174-7	8.4	16

52	The use of the urogenital papillae of male feral African sharptooth catfish (<i>Clarias gariepinus</i>) as indicator of exposure to estrogenic chemicals in two polluted dams in an urban nature reserve, Gauteng, South Africa. <i>Ecotoxicology and Environmental Safety</i> , 2013 , 87, 98-107	7	16
51	Predictors of plasma DDT and DDE concentrations among women exposed to indoor residual spraying for malaria control in the South African Study of Women and Babies (SOWB). <i>Environmental Health Perspectives</i> , 2014 , 122, 545-52	8.4	16
50	Effects of environmental endocrine disruptors, including insecticides used for malaria vector control on reproductive parameters of male rats. <i>Reproductive Toxicology</i> , 2016 , 61, 19-27	3.4	15
49	Chlamydial infection in asymptomatic infertile men attending an andrology clinic. <i>Archives of Andrology</i> , 1998 , 41, 203-8		15
48	Preliminary assessment of oestrogenic activity in water sources in Rietvlei Nature Reserve, Gauteng, South Africa. <i>African Journal of Aquatic Science</i> , 2008 , 33, 249-254	1.6	15
47	Ultrastructural and developmental evidence of phytotoxicity on cos lettuce (<i>Lactuca sativa</i>) associated with nonylphenol exposure. <i>Chemosphere</i> , 2017 , 169, 428-436	8.4	14
46	Sustainable malaria control: transdisciplinary approaches for translational applications. <i>Malaria Journal</i> , 2012 , 11, 431	3.6	14
45	Immunohistochemical study of nuclear changes associated with male germ cell death and spermiogenesis. <i>Journal of Molecular Histology</i> , 2009 , 40, 287-99	3.3	14
44	Changes in retinol-binding protein concentrations and thyroid homeostasis with nonoccupational exposure to DDT. <i>Environmental Health Perspectives</i> , 2011 , 119, 647-51	8.4	14
43	Lethal dose and reproductive parameters of p-nonylphenol in rats. <i>Archives of Andrology</i> , 2001 , 46, 183-7		14
42	Testicular microlithiasis and neoplastic lesions in wild eland (<i>Tragelaphus oryx</i>): possible effects of exposure to environmental pollutants?. <i>Environmental Research</i> , 2010 , 110, 327-33	7.9	13
41	Ultrastructural effects of low dosage endocrine disrupter chemicals on neural cells of the chicken embryo model. <i>Hormone and Metabolic Research</i> , 2006 , 38, 639-49	3.1	13
40	Dichlorodiphenyltrichloroethane exposure and anogenital distance in the Venda Health Examination of Mothers, Babies and their Environment (VHEMBE) birth cohort study, South Africa. <i>Andrology</i> , 2016 , 4, 608-15	4.2	13
39	Interactive Malaria Education Intervention and Its Effect on Community Participant Knowledge: The Malaria Awareness Program in Vhembe District, Limpopo, South Africa. <i>International Quarterly of Community Health Education</i> , 2018 , 38, 147-158	1	12
38	Acceptability and effectiveness of a monofilament, polyethylene insecticide-treated wall lining for malaria control after six months in dwellings in Vhembe District, Limpopo Province, South Africa. <i>Malaria Journal</i> , 2015 , 14, 485	3.6	12
37	Maternal Peripartum Serum DDT/E and Urinary Pyrethroid Metabolite Concentrations and Child Infections at 2 Years in the VHEMBE Birth Cohort. <i>Environmental Health Perspectives</i> , 2018 , 126, 067006	8.4	12
36	Nonylphenol, an industrial endocrine disrupter chemical, affects root hair growth, shoot length and root length of germinating cos lettuce (<i>Lactuca sativa</i>). <i>Seed Science and Technology</i> , 2016 , 44, 43-52	0.6	11
35	Household fuel use and biomarkers of inflammation and respiratory illness among rural South African Women. <i>Environmental Research</i> , 2018 , 166, 112-116	7.9	11

34	Addressing the contribution of previously described genetic and epidemiological risk factors associated with increased prostate cancer risk and aggressive disease within men from South Africa. <i>BMC Urology</i> , 2013 , 13, 74	2.2	11
33	Revised timeline and distribution of the earliest diverged human maternal lineages in southern Africa. <i>PLoS ONE</i> , 2015 , 10, e0121223	3.7	11
32	The neurotoxic effects of prenatal cardiac glycoside exposure: a hypothesis. <i>Neurotoxicology and Teratology</i> , 2006 , 28, 135-43	3.9	11
31	DDT exposure of frogs: A case study from Limpopo Province, South Africa. <i>Chemosphere</i> , 2016 , 159, 335-341	3.4	10
30	Sex and poverty modify associations between maternal peripartum concentrations of DDT/E and pyrethroid metabolites and thyroid hormone levels in neonates participating in the VHEMBE study, South Africa. <i>Environment International</i> , 2019 , 131, 104958	12.9	10
29	MethylToSNP: identifying SNPs in Illumina DNA methylation array data. <i>Epigenetics and Chromatin</i> , 2019 , 12, 79	5.8	10
28	Daily emergence of <i>Schistosoma mansoni</i> and <i>S. haematobium</i> cercariae from naturally infected snails under field conditions. <i>Journal of Helminthology</i> , 2002 , 76, 273-7	1.6	9
27	Determinants of Exposure to Pyrethroid Insecticides in the VHEMBE Cohort, South Africa. <i>Environmental Science & Technology</i> , 2018 , 52, 12108-12121	10.3	9
26	African KhoeSan ancestry linked to high-risk prostate cancer. <i>BMC Medical Genomics</i> , 2019 , 12, 82	3.7	8
25	Prostate Cancer in Southern Africa: Does Africa Hold Untapped Potential to Add Value to the Current Understanding of a Common Disease?. <i>Journal of Global Oncology</i> , 2018 , 4, 1-7	2.6	7
24	Early-life exposure to p,p'DDT and p,p'DDE in South African children participating in the VHEMBE study: An assessment using repeated serum measurements and pharmacokinetic modeling. <i>Environment International</i> , 2018 , 119, 478-484	12.9	6
23	Implications for health education and intervention strategies arising from children's caregivers concerns following successful malaria control. <i>Transactions of the Royal Society of Tropical Medicine and Hygiene</i> , 2012 , 106, 408-14	2	6
22	Maternal peripartum urinary pyrethroid metabolites are associated with thinner children at 3.5 years in the VHEMBE birth cohort (Limpopo, South Africa). <i>Environmental Epidemiology</i> , 2018 , 2,	0.2	6
21	A community-based education programme to reduce insecticide exposure from indoor residual spraying in Limpopo, South Africa. <i>Malaria Journal</i> , 2019 , 18, 199	3.6	5
20	The lack of endocrine disrupting effects in catfish (<i>Clarias gariepinus</i>) from a DDT sprayed area. <i>Ecotoxicology and Environmental Safety</i> , 2012 , 79, 256-263	7	5
19	Responses of laboratory exposed catfish (<i>Clarias gariepinus</i>) to environmentally relevant concentrations of p,p'DDT. <i>Environmental Toxicology and Pharmacology</i> , 2012 , 34, 919-25	5.8	5
18	Seasonality of antenatal care attendance, maternal dietary intake, and fetal growth in the VHEMBE birth cohort, South Africa. <i>PLoS ONE</i> , 2019 , 14, e0222888	3.7	4
17	Sialic acid in semen of normozoospermic men. <i>Archives of Andrology</i> , 1998 , 41, 97-101		4

16	Associations between prenatal exposure to DDT and DDE and allergy symptoms and diagnoses in the Venda Health Examination of Mothers, Babies and their Environment (VHEMBE), South Africa. <i>Environmental Research</i> , 2020 , 185, 109366	7.9	4
15	Malaria Vectors and Vector Surveillance in Limpopo Province (South Africa): 1927 to 2018. <i>International Journal of Environmental Research and Public Health</i> , 2020 , 17,	4.6	3
14	The Path Forward on Endocrine Disruptors Requires Focus on the Basics. <i>Toxicological Sciences</i> , 2016 , 149, 272	4.4	3
13	Ultrastructural changes of platelet aggregates and fibrin networks in a patient with renal clear cell adenocarcinoma: a scanning electron microscopy study. <i>Microscopy Research and Technique</i> , 2009 , 72, 679-83	2.8	3
12	Men's Health in Africa. <i>Journal of Men's Health</i> , 2008 , 5, 127-132	1.2	3
11	Changes in WGA-lectin binding sites on sperm during epididymal transit in the Chacma baboon (<i>Papio ursinus</i>) and the vervet monkey (<i>Cercopithecus aethiops</i>). <i>Archives of Andrology</i> , 1996 , 36, 89-100		3
10	Exposure to lead and vaccine-specific IgG titers in South African children participating in the Venda Health Examination of Mothers, Babies and their Environment (VHEMBE): A longitudinal study. <i>Environmental Research</i> , 2020 , 180, 108794	7.9	3
9	Men's Health in Africa. <i>Journal of Men's Health</i> , 2008 , 5, 66-72	1.2	2
8	DNA methylation profiles unique to Kalahari KhoeSan individuals. <i>Epigenetics</i> , 2021 , 16, 537-553	5.7	2
7	Targeted screening of 11 bisphenols and 7 plasticizers in food composites from Canada and South Africa.. <i>Food Chemistry</i> , 2022 , 385, 132675	8.5	2
6	EDCs and male urogenital cancers. <i>Advances in Pharmacology</i> , 2021 , 92, 521-553	5.7	1
5	Prenatal exposure to insecticides and weight trajectories among South African children in the VHEMBE birth cohort.. <i>Epidemiology</i> , 2022 ,	3.1	1
4	Prenatal exposure to insecticides and child cardiometabolic risk factors in the VHEMBE birth cohort.. <i>Environmental Epidemiology</i> , 2022 , 6, e196	0.2	0
3	Exposure to DDT from indoor residual spraying and biomarkers of inflammation among reproductive-aged women from South Africa. <i>Environmental Research</i> , 2020 , 191, 110088	7.9	0
2	LATE ADOLESCENT KNOWLEDGE ABOUT CORONA VIRUS 19. <i>Addaiyan Journal of Arts Humanities and Social Sciences</i> , 39-48		0
1	Endocrine Disruptors and Male Infertility 2014 , 193-210		