

Edward P Rybicki

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195
papers

7,668
citations

47
h-index

79
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215
ext. papers

8,860
ext. citations

6.7
avg, IF

6.39
L-index

#	Paper	IF	Citations
195	RDP: detection of recombination amongst aligned sequences. <i>Bioinformatics</i> , 2000 , 16, 562-3	7.2	1145
194	Plant-made vaccines for humans and animals. <i>Plant Biotechnology Journal</i> , 2010 , 8, 620-37	11.6	215
193	Optimization of human papillomavirus type 16 (HPV-16) L1 expression in plants: comparison of the suitability of different HPV-16 L1 gene variants and different cell-compartment localization. <i>Journal of General Virology</i> , 2007 , 88, 1460-1469	4.9	167
192	A phylogenetic and evolutionary justification for three genera of Geminiviridae. <i>Archives of Virology</i> , 1994 , 139, 49-77	2.6	167
191	Plant-produced vaccines: promise and reality. <i>Drug Discovery Today</i> , 2009 , 14, 16-24	8.8	152
190	Oral immunogenicity of human papillomavirus-like particles expressed in potato. <i>Journal of Virology</i> , 2003 , 77, 8702-11	6.6	138
189	A Top Ten list for economically important plant viruses. <i>Archives of Virology</i> , 2015 , 160, 17-20	2.6	116
188	A polymerase chain reaction method adapted for selective amplification and cloning of 3U sequences of potyviral genomes: application to dasheen mosaic virus. <i>Journal of Virological Methods</i> , 1993 , 41, 9-20	2.6	111
187	High level protein expression in plants through the use of a novel autonomously replicating geminivirus shuttle vector. <i>Plant Biotechnology Journal</i> , 2010 , 8, 38-46	11.6	107
186	Recombination, decreased host specificity and increased mobility may have driven the emergence of maize streak virus as an agricultural pathogen. <i>Journal of General Virology</i> , 2008 , 89, 2063-2074	4.9	107
185	Plant-based vaccines against viruses. <i>Virology Journal</i> , 2014 , 11, 205	6.1	104
184	An association between HIV-1 subtypes and mode of transmission in Cape Town, South Africa. <i>Aids</i> , 1997 , 11, 81-7	3.5	98
183	A protocol for the rapid isolation of full geminivirus genomes from dried plant tissue. <i>Journal of Virological Methods</i> , 2008 , 149, 97-102	2.6	98
182	Therapeutic vaccines for high-risk HPV-associated diseases. <i>Papillomavirus Research (Amsterdam, Netherlands)</i> , 2018 , 5, 46-58	4.6	97
181	The evolutionary value of recombination is constrained by genome modularity. <i>PLoS Genetics</i> , 2005 , 1, e51	6	95
180	A method for rapid production of heteromultimeric protein complexes in plants: assembly of protective bluetongue virus-like particles. <i>Plant Biotechnology Journal</i> , 2013 , 11, 839-46	11.6	89
179	Maize streak virus: an old and complex & emerging & pathogen. <i>Molecular Plant Pathology</i> , 2010 , 11, 1-12	5.7	89

178	The molecular biology of mastreviruses. <i>Advances in Virus Research</i> , 1998 , 50, 183-234	10.7	80
177	Rapid host adaptation by extensive recombination. <i>Journal of General Virology</i> , 2009 , 90, 734-746	4.9	78
176	Evidence of unique genotypes of beak and feather disease virus in southern Africa. <i>Journal of Virology</i> , 2004 , 78, 9277-84	6.6	77
175	Expression of HIV-1 antigens in plants as potential subunit vaccines. <i>BMC Biotechnology</i> , 2008 , 8, 53	3.5	76
174	Complete nucleotide sequence and host range of South African cassava mosaic virus: further evidence for recombination amongst begomoviruses. <i>Journal of General Virology</i> , 2001 , 82, 53-58	4.9	75
173	Virus-like particles produced in plants as potential vaccines. <i>Expert Review of Vaccines</i> , 2013 , 12, 211-24	5.2	74
172	Expression of Human papillomavirus type 16 major capsid protein in transgenic <i>Nicotiana tabacum</i> cv. Xanthi. <i>Archives of Virology</i> , 2003 , 148, 1771-86	2.6	71
171	Human papillomavirus virus-like particles are efficient oral immunogens when coadministered with <i>Escherichia coli</i> heat-labile enterotoxin mutant R192G or CpG DNA. <i>Journal of Virology</i> , 2001 , 75, 4752-60	6.6	69
170	Metagenomic analysis of the viral community in Namib Desert hypoliths. <i>Environmental Microbiology</i> , 2015 , 17, 480-95	5.2	68
169	Chimeric human papillomavirus type 16 (HPV-16) L1 particles presenting the common neutralizing epitope for the L2 minor capsid protein of HPV-6 and HPV-16. <i>Journal of Virology</i> , 2003 , 77, 8386-93	6.6	68
168	Global genetic diversity and geographical and host-species distribution of beak and feather disease virus isolates. <i>Journal of General Virology</i> , 2011 , 92, 752-67	4.9	63
167	A highly divergent South African geminivirus species illuminates the ancient evolutionary history of this family. <i>Virology Journal</i> , 2009 , 6, 36	6.1	62
166	Plant virus disease problems in the developing world. <i>Advances in Virus Research</i> , 1999 , 53, 127-75	10.7	62
165	Enzyme-assisted immune detection of plant virus proteins electroblotted onto nitrocellulose paper. <i>Journal of Virological Methods</i> , 1982 , 5, 267-78	2.6	59
164	Evidence of ancient papillomavirus recombination. <i>Journal of General Virology</i> , 2006 , 87, 2527-2531	4.9	56
163	Detection of PR 1-type Proteins in Amaranthaceae, Chenopodiaceae, Graminae and Solanaceae by Immunoelectroblotting. <i>Journal of General Virology</i> , 1987 , 68, 2043-2048	4.9	56
162	Next-generation sequencing of cervical DNA detects human papillomavirus types not detected by commercial kits. <i>Virology Journal</i> , 2012 , 9, 164	6.1	55
161	The capsid protein of beak and feather disease virus binds to the viral DNA and is responsible for transporting the replication-associated protein into the nucleus. <i>Journal of Virology</i> , 2006 , 80, 7219-25	6.6	55

160	Microcomputer-Based Quantification of Maize Streak Virus Symptoms in <i>Zea mays</i> . <i>Phytopathology</i> , 1998 , 88, 422-7	3.8	55
159	Characterization of a New Picorna-like Virus Isolated from Aphids. <i>Journal of General Virology</i> , 1988 , 69, 787-795	4.9	54
158	Reconstructing the history of maize streak virus strain a dispersal to reveal diversification hot spots and its origin in southern Africa. <i>Journal of Virology</i> , 2011 , 85, 9623-36	6.6	52
157	Transient expression of Human papillomavirus type 16 L1 protein in <i>Nicotiana benthamiana</i> using an infectious tobamovirus vector. <i>Virus Research</i> , 2006 , 120, 91-6	6.4	52
156	Oral vaccination of mice with human papillomavirus virus-like particles induces systemic virus-neutralizing antibodies. <i>Vaccine</i> , 1999 , 17, 2129-35	4.1	51
155	Maize streak virus-resistant transgenic maize: a first for Africa. <i>Plant Biotechnology Journal</i> , 2007 , 5, 759-676	6.7	50
154	Genetic analysis of maize streak virus isolates from Uganda reveals widespread distribution of a recombinant variant. <i>Journal of General Virology</i> , 2007 , 88, 3154-3165	4.9	50
153	Experimental observations of rapid Maize streak virus evolution reveal a strand-specific nucleotide substitution bias. <i>Virology Journal</i> , 2008 , 5, 104	6.1	48
152	Evaluation of Maize Streak Virus Pathogenicity in Differentially Resistant <i>Zea mays</i> Genotypes. <i>Phytopathology</i> , 1999 , 89, 695-700	3.8	48
151	Experimental evidence indicating that mastreviruses probably did not co-diverge with their hosts. <i>Virology Journal</i> , 2009 , 6, 104	6.1	47
150	Hyperprolactinemia in acute myeloid leukemia and indication of ectopic expression of human prolactin in blast cells of a patient of subtype M4. <i>Leukemia Research</i> , 1990 , 14, 57-62	2.7	47
149	Dating the origins of the maize-adapted strain of maize streak virus, MSV-A. <i>Journal of General Virology</i> , 2009 , 90, 3066-3074	4.9	46
148	Plant-produced cottontail rabbit papillomavirus L1 protein protects against tumor challenge: a proof-of-concept study. <i>Vaccine Journal</i> , 2006 , 13, 845-53		46
147	A three-nucleotide mutation altering the Maize streak virus Rep pRBR-interaction motif reduces symptom severity in maize and partially reverts at high frequency without restoring pRBR-Rep binding. <i>Journal of General Virology</i> , 2005 , 86, 803-813	4.9	46
146	Production of complex viral glycoproteins in plants as vaccine immunogens. <i>Plant Biotechnology Journal</i> , 2018 , 16, 1531	11.6	45
145	Two dicot-infecting mastreviruses (family Geminiviridae) occur in Pakistan. <i>Archives of Virology</i> , 2008 , 153, 1441-51	2.6	44
144	The use of transient expression systems for the rapid production of virus-like particles in plants. <i>Current Pharmaceutical Design</i> , 2013 , 19, 5564-73	3.3	43
143	Diversity of dicotyledenous-infecting geminiviruses and their associated DNA molecules in southern Africa, including the South-west Indian ocean islands. <i>Viruses</i> , 2012 , 4, 1753-91	6.2	43

142	Realising the value of plant molecular pharming to benefit the poor in developing countries and emerging economies. <i>Plant Biotechnology Journal</i> , 2013 , 11, 1029-33	11.6	42
141	Techno-economic analysis of horseradish peroxidase production using a transient expression system in <i>Nicotiana benthamiana</i> . <i>Applied Biochemistry and Biotechnology</i> , 2015 , 175, 841-54	3.2	41
140	Human papillomavirus prevalence, viral load and pre-cancerous lesions of the cervix in women initiating highly active antiretroviral therapy in South Africa: a cross-sectional study. <i>BMC Cancer</i> , 2009 , 9, 275	4.8	40
139	Human papillomavirus vaccines in plants. <i>Expert Review of Vaccines</i> , 2010 , 9, 913-24	5.2	40
138	Plant molecular farming of virus-like nanoparticles as vaccines and reagents. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2020 , 12, e1587	9.2	38
137	Expression of HPV-11 L1 protein in transgenic <i>Arabidopsis thaliana</i> and <i>Nicotiana tabacum</i> . <i>BMC Biotechnology</i> , 2007 , 7, 56	3.5	37
136	Complete nucleotide sequence of sugarcane streak Monogeminivirus. <i>Archives of Virology</i> , 1993 , 132, 171-82	2.6	37
135	Immunogenic assessment of plant-produced human papillomavirus type 16 L1/L2 chimaeras. <i>Plant Biotechnology Journal</i> , 2013 , 11, 964-75	11.6	36
134	Analysis of the diversity of African streak mastreviruses using PCR-generated RFLPs and partial sequence data. <i>Journal of Virological Methods</i> , 2001 , 93, 75-87	2.6	36
133	Forced recombination between distinct strains of Maize streak virus. <i>Journal of General Virology</i> , 2001 , 82, 3081-3090	4.9	36
132	Optimization of chimeric HIV-1 virus-like particle production in a baculovirus-insect cell expression system. <i>Biotechnology Progress</i> , 2009 , 25, 1153-60	2.8	35
131	Molecular characterisation of a distinct South African cassava infecting geminivirus. <i>Archives of Virology</i> , 1998 , 143, 2253-60	2.6	35
130	Insights into the role and function of L2, the minor capsid protein of papillomaviruses. <i>Archives of Virology</i> , 2009 , 154, 187-97	2.6	34
129	Coat protein-mediated resistance in transgenic plants. <i>Archives of Virology</i> , 1994 , 139, 1-22	2.6	34
128	Third International Conference on Plant-Based Vaccines and Antibodies. <i>Expert Review of Vaccines</i> , 2009 , 8, 1151-5	5.2	33
127	Generation of maize cell lines containing autonomously replicating maize streak virus-based gene vectors. <i>Archives of Virology</i> , 1999 , 144, 1345-60	2.6	32
126	Detection of genital human papillomaviruses by polymerase chain reaction amplification with degenerate nested primers. <i>Journal of Medical Virology</i> , 1991 , 33, 165-71	19.7	32
125	Setting up a platform for plant-based influenza virus vaccine production in South Africa. <i>BMC Biotechnology</i> , 2012 , 12, 14	3.5	31

124	Inhibition of maize streak virus (MSV) replication by transient and transgenic expression of MSV replication-associated protein mutants. <i>Journal of General Virology</i> , 2007 , 88, 325-336	4.9	31
123	Human immunodeficiency virus type 1 subtype C Gag virus-like particle boost substantially improves the immune response to a subtype C gag DNA vaccine in mice. <i>Journal of General Virology</i> , 2004 , 85, 409-413	4.9	31
122	Typing of human papillomaviruses in cervical carcinoma biopsies from Cape Town. <i>Journal of Medical Virology</i> , 1994 , 43, 231-7	19.7	29
121	Plant-made vaccines and reagents for the One Health initiative. <i>Human Vaccines and Immunotherapeutics</i> , 2017 , 13, 2912-2917	4.4	28
120	Human papillomavirus (HPV) type 16 E7 protein bodies cause tumour regression in mice. <i>BMC Cancer</i> , 2014 , 14, 367	4.8	27
119	The use of geminiviruses in biotechnology and plant molecular biology, with particular focus on Mastreviruses. <i>Plant Science</i> , 1997 , 129, 115-130	5.3	27
118	Cloning, sequencing, and expression in Escherichia coli of the coat protein gene of a new potyvirus infection South African Passiflora. <i>Archives of Virology</i> , 1993 , 128, 29-41	2.6	27
117	A prime-boost immunisation regimen using recombinant BCG and Pr55(gag) virus-like particle vaccines based on HIV type 1 subtype C successfully elicits Gag-specific responses in baboons. <i>Vaccine</i> , 2009 , 27, 4857-66	4.1	26
116	Comparison of cervical and blood T-cell responses to human papillomavirus-16 in women with human papillomavirus-associated cervical intraepithelial neoplasia. <i>Immunology</i> , 2006 , 119, 507-14	7.8	26
115	The serology of the bromoviruses. I. Serological interrelationships of the bromoviruses. <i>Virology</i> , 1981 , 109, 391-402	3.6	26
114	Chimaeric HIV-1 subtype C Gag molecules with large in-frame C-terminal polypeptide fusions form virus-like particles. <i>Virus Research</i> , 2008 , 133, 259-68	6.4	25
113	A deletion and point mutation study of the human papillomavirus type 16 major capsid gene. <i>Virus Research</i> , 2006 , 122, 154-63	6.4	25
112	More men than women make mucosal IgA antibodies to Human papillomavirus type 16 (HPV-16) and HPV-18: a study of oral HPV and oral HPV antibodies in a normal healthy population. <i>BMC Infectious Diseases</i> , 2006 , 6, 95	4	25
111	Investigation of Maize streak virus pathogenicity determinants using chimaeric genomes. <i>Virology</i> , 2002 , 300, 180-8	3.6	25
110	Robust immunity to an auxotrophic Mycobacterium bovis BCG-VLP prime-boost HIV vaccine candidate in a nonhuman primate model. <i>Journal of Virology</i> , 2013 , 87, 5151-60	6.6	24
109	Comparative analysis of Panicum streak virus and Maize streak virus diversity, recombination patterns and phylogeography. <i>Virology Journal</i> , 2009 , 6, 194	6.1	24
108	A proposal to change existing virus species names to non-Latinized binomials. <i>Archives of Virology</i> , 2010 , 155, 1909-19	2.6	24
107	Co-expression of human calreticulin significantly improves the production of HIV gp140 and other viral glycoproteins in plants. <i>Plant Biotechnology Journal</i> , 2020 , 18, 2109	11.6	23

106	Plant-made therapeutics: an emerging platform in South Africa. <i>Biotechnology Advances</i> , 2012 , 30, 449-597.8	23
105	Stability studies of HIV-1 Pr55gag virus-like particles made in insect cells after storage in various formulation media. <i>Virology Journal</i> , 2012 , 9, 210	6.1 23
104	Replicative intermediates of maize streak virus found during leaf development. <i>Journal of General Virology</i> , 2010 , 91, 1077-81	4.9 23
103	Human papillomavirus (HPV) infection in Southern Africa: prevalence, immunity, and vaccine prospects. <i>IUBMB Life</i> , 2002 , 53, 253-8	4.7 23
102	Prospects for SARS-CoV-2 diagnostics, therapeutics and vaccines in Africa. <i>Nature Reviews Microbiology</i> , 2020 , 18, 690-704	22.2 23
101	HIV-1 subtype C Pr55gag virus-like particle vaccine efficiently boosts baboons primed with a matched DNA vaccine. <i>Journal of General Virology</i> , 2008 , 89, 2214-2227	4.9 22
100	Panicum streak virus diversity is similar to that observed for maize streak virus. <i>Archives of Virology</i> , 2008 , 153, 601-4	2.6 22
99	Engineering the Plant Secretory Pathway for the Production of Next-Generation Pharmaceuticals. <i>Trends in Biotechnology</i> , 2020 , 38, 1034-1044	15.1 21
98	Virus-derived ssDNA vectors for the expression of foreign proteins in plants. <i>Current Topics in Microbiology and Immunology</i> , 2014 , 375, 19-45	3.3 21
97	African Horse Sickness: A Review of Current Understanding and Vaccine Development. <i>Viruses</i> , 2019 , 11,	6.2 20
96	Justification for the inclusion of Gag in HIV vaccine candidates. <i>Expert Review of Vaccines</i> , 2016 , 15, 585-98	9.8 20
95	The complete nucleotide sequence of a mild strain of Bean yellow dwarf virus. <i>Archives of Virology</i> , 2007 , 152, 1237-40	2.6 20
94	Restoration of native folding of single-stranded DNA sequences through reverse mutations: an indication of a new epigenetic mechanism. <i>Archives of Biochemistry and Biophysics</i> , 2006 , 453, 108-22	4.1 20
93	Novel expression of immunogenic foot-and-mouth disease virus-like particles in <i>Nicotiana benthamiana</i> . <i>Virus Research</i> , 2018 , 244, 213-217	6.4 20
92	Production and Immunogenicity of Soluble Plant-Produced HIV-1 Subtype C Envelope gp140 Immunogens. <i>Frontiers in Plant Science</i> , 2019 , 10, 1378	6.2 18
91	Production of H5N1 Influenza Virus Matrix Protein 2 Ectodomain Protein Bodies in Tobacco Plants and in Insect Cells as a Candidate Universal Influenza Vaccine. <i>Frontiers in Bioengineering and Biotechnology</i> , 2015 , 3, 197	5.8 18
90	Immunogenicity of an HPV-16 L2 DNA vaccine. <i>Vaccine</i> , 2009 , 27, 6432-4	4.1 18
89	A unique isolate of beak and feather disease virus isolated from budgerigars (<i>Melopsittacus undulatus</i>) in South Africa. <i>Archives of Virology</i> , 2010 , 155, 435-9	2.6 18

88	Safety and immunogenicity of plant-produced African horse sickness virus-like particles in horses. <i>Veterinary Research</i> , 2018 , 49, 105	3.8	18
87	Use of the piggyBac transposon to create HIV-1 gag transgenic insect cell lines for continuous VLP production. <i>BMC Biotechnology</i> , 2010 , 10, 30	3.5	17
86	Distinct Oceanic Microbiomes From Viruses to Protists Located Near the Antarctic Circumpolar Current. <i>Frontiers in Microbiology</i> , 2018 , 9, 1474	5.7	16
85	Substitution of Human Papillomavirus Type 16 L2 Neutralizing Epitopes Into L1 Surface Loops: The Effect on Virus-Like Particle Assembly and Immunogenicity. <i>Frontiers in Plant Science</i> , 2019 , 10, 779	6.2	16
84	Development of human papillomavirus chimaeric L1/L2 candidate vaccines. <i>Archives of Virology</i> , 2013 , 158, 2079-88	2.6	16
83	Replication modes of Maize streak virus mutants lacking RepA or the RepA-pRBR interaction motif. <i>Virology</i> , 2013 , 442, 173-9	3.6	16
82	Abrogation of contaminating RNA activity in HIV-1 Gag VLPs. <i>Virology Journal</i> , 2011 , 8, 462	6.1	16
81	Beak and feather disease viruses circulating in Cape parrots (<i>Poicephalus robustus</i>) in South Africa. <i>Archives of Virology</i> , 2015 , 160, 47-54	2.6	15
80	Immunogenicity of plant-produced African horse sickness virus-like particles: implications for a novel vaccine. <i>Plant Biotechnology Journal</i> , 2018 , 16, 442-450	11.6	15
79	Extensive recombination-induced disruption of genetic interactions is highly deleterious but can be partially reversed by small numbers of secondary recombination events. <i>Journal of Virology</i> , 2014 , 88, 7843-51	6.6	15
78	Identification of long intergenic region sequences involved in maize streak virus replication. <i>Journal of General Virology</i> , 2007 , 88, 1831-1841	4.9	15
77	Prime-Boost Immunizations with DNA, Modified Vaccinia Virus Ankara, and Protein-Based Vaccines Elicit Robust HIV-1 Tier 2 Neutralizing Antibodies against the CAP256 Superinfecting Virus. <i>Journal of Virology</i> , 2019 , 93,	6.6	15
76	A Pelagic Microbiome (Viruses to Protists) from a Small Cup of Seawater. <i>Viruses</i> , 2017 , 9,	6.2	14
75	Engineering and expression of a human rotavirus candidate vaccine in <i>Nicotiana benthamiana</i> . <i>Virology Journal</i> , 2015 , 12, 205	6.1	14
74	Geminivirus isolation and DNA extraction. <i>Methods in Molecular Biology</i> , 1998 , 81, 41-52	1.4	14
73	Production of Human papillomavirus pseudovirions in plants and their use in pseudovirion-based neutralisation assays in mammalian cells. <i>Scientific Reports</i> , 2016 , 6, 20431	4.9	13
72	Expression in tobacco and purification of beak and feather disease virus capsid protein fused to elastin-like polypeptides. <i>Journal of Virological Methods</i> , 2013 , 191, 55-62	2.6	13
71	Recombination hotspots and host susceptibility modulate the adaptive value of recombination during maize streak virus evolution. <i>BMC Evolutionary Biology</i> , 2011 , 11, 350	3	13

70	The porcine circovirus type 1 capsid gene promoter improves antigen expression and immunogenicity in a HIV-1 plasmid vaccine. <i>Virology Journal</i> , 2011 , 8, 51	6.1	13
69	A rep-based hairpin inhibits replication of diverse maize streak virus isolates in a transient assay. <i>Journal of General Virology</i> , 2011 , 92, 2458-2465	4.9	13
68	Vaccination strategies for the prevention of cervical cancer. <i>Expert Review of Anticancer Therapy</i> , 2005 , 5, 97-107	3.5	13
67	Further characterization of Rhopalosiphum padi virus of aphids and comparison of isolates from South Africa and Illinois. <i>Journal of Invertebrate Pathology</i> , 1989 , 54, 85-96	2.6	13
66	Developing country applications of molecular farming: case studies in South Africa and Argentina. <i>Current Pharmaceutical Design</i> , 2013 , 19, 5612-21	3.3	13
65	Transient Bluetongue virus serotype 8 capsid protein expression in. <i>Biotechnology Reports (Amsterdam, Netherlands)</i> , 2016 , 9, 15-24	5.3	12
64	Viable chimaeric viruses confirm the biological importance of sequence specific maize streak virus movement protein and coat protein interactions. <i>Virology Journal</i> , 2008 , 5, 61	6.1	12
63	An investigation into the use of human papillomavirus type 16 virus-like particles as a delivery vector system for foreign proteins: N- and C-terminal fusion of GFP to the L1 and L2 capsid proteins. <i>Archives of Virology</i> , 2008 , 153, 585-9	2.6	12
62	A new African streak virus species from Nigeria. <i>Archives of Virology</i> , 2008 , 153, 1407-10	2.6	12
61	Strategies for the prevention of cervical cancer by human papillomavirus vaccination. <i>Best Practice and Research in Clinical Obstetrics and Gynaecology</i> , 2005 , 19, 531-44	4.6	12
60	Plant-produced Crimean-Congo haemorrhagic fever virus nucleoprotein for use in indirect ELISA. <i>Journal of Virological Methods</i> , 2016 , 236, 170-177	2.6	11
59	Inducible resistance to maize streak virus. <i>PLoS ONE</i> , 2014 , 9, e105932	3.7	11
58	Plant made anti-HIV microbicides--a field of opportunity. <i>Biotechnology Advances</i> , 2012 , 30, 1614-26	17.8	11
57	Vaccine farming in Cape Town. <i>Hum Vaccin</i> , 2011 , 7, 339-48		11
56	Expression optimization of a cell membrane-penetrating human papillomavirus type 16 therapeutic vaccine candidate in Nicotiana benthamiana. <i>PLoS ONE</i> , 2017 , 12, e0183177	3.7	10
55	Therapeutic immunisation of rabbits with cottontail rabbit papillomavirus (CRPV) virus-like particles (VLP) induces regression of established papillomas. <i>Virology Journal</i> , 2008 , 5, 45	6.1	10
54	The adjuvant AlhydroGel elicits higher antibody titres than AddaVax when combined with HIV-1 subtype C gp140 from CAP256. <i>PLoS ONE</i> , 2018 , 13, e0208310	3.7	10
53	CRISPR-Cas9 strikes out in cassava. <i>Nature Biotechnology</i> , 2019 , 37, 727-728	44.5	9

52	South African HIV-1 vaccine candidates - the journey from the bench to clinical trials. <i>South African Medical Journal</i> , 2012 , 102, 452-5	1.5	9
51	Symptom evolution following the emergence of maize streak virus. <i>ELife</i> , 2020 , 9,	8.9	9
50	First Report of Maize streak virus Field Infection of Sugarcane in South Africa. <i>Plant Disease</i> , 2008 , 92, 982	1.5	9
49	Expression of Rift Valley fever virus N-protein in <i>Nicotiana benthamiana</i> for use as a diagnostic antigen. <i>BMC Biotechnology</i> , 2018 , 18, 77	3.5	9
48	Minimally processed crude leaf extracts of containing recombinant foot and mouth disease virus-like particles are immunogenic in mice. <i>Biotechnology Reports (Amsterdam, Netherlands)</i> , 2018 , 20, e00283	5.3	9
47	Beak and feather disease virus: correlation between viral load and clinical signs in wild Cape parrots (<i>Poicephalus robustus</i>) in South Africa. <i>Archives of Virology</i> , 2015 , 160, 339-44	2.6	8
46	Characterization of the hypersensitive response-like cell death phenomenon induced by targeting antiviral lectin griffithsin to the secretory pathway. <i>Plant Biotechnology Journal</i> , 2018 , 16, 1811-1821	11.6	8
45	LALF -E7, a HPV-16 therapeutic vaccine candidate, forms protein body-like structures when expressed in <i>Nicotiana benthamiana</i> leaves. <i>Plant Biotechnology Journal</i> , 2018 , 16, 628-637	11.6	8
44	Biodiversity: So much more than legs and leaves. <i>South African Journal of Science</i> , 2013 , 109, 1-9	1.3	8
43	Characterization of southern African isolates of maize streak virus: typing of three isolates by restriction mapping. <i>Intervirology</i> , 1989 , 30, 86-95	2.5	8
42	Chimaeric Rift Valley Fever Virus-Like Particle Vaccine Candidate Production in <i>Nicotiana benthamiana</i> . <i>Biotechnology Journal</i> , 2019 , 14, e1800238	5.6	8
41	HIV-1 sub-type C chimaeric VLPs boost cellular immune responses in mice. <i>Journal of Immune Based Therapies and Vaccines</i> , 2010 , 8, 7		7
40	Immunogenicity of plant-produced porcine circovirus-like particles in mice. <i>Plant Biotechnology Journal</i> , 2019 , 17, 1751-1759	11.6	6
39	Immunogenicity of Plant-Produced Human Papillomavirus (HPV) Virus-Like Particles (VLPs). <i>Vaccines</i> , 2020 , 8,	5.3	6
38	Transient protein expression in tobacco BY-2 plant cell packs using single and multi-cassette replicating vectors. <i>Plant Cell Reports</i> , 2020 , 39, 1115-1127	5.1	6
37	Recombinant expression of beak and feather disease virus capsid protein and assembly of virus-like particles in <i>Nicotiana benthamiana</i> . <i>Virology Journal</i> , 2017 , 14, 174	6.1	6
36	Development of plant-produced protein body vaccine candidates for bluetongue virus. <i>BMC Biotechnology</i> , 2017 , 17, 47	3.5	6
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