# Mark E J Woolhouse

List of Publications by Year
in descending order



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|---|---|---|---|
| 218 papers | 18,566 citations | 19657 61 h-index | 14759 127 g-index |

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|---|---|---|---|
| 227 all docs | 227 docs citations | 227 times ranked | 19548 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Host Range and Emerging and Reemerging Pathogens. Emerging Infectious Diseases, 2005, 11, 1842-1847. | 4.3 | 1,170 |
| 2 | Heterogeneities in the transmission of infectious agents: Implications for the design of controlâ€‰programs. Proceedings of the National Academy of Sciences of the United States of America, 1997, 94, 338-342. | 7.1 | 978 |
| 3 | Dynamics of the 2001 UK Foot and Mouth Epidemic: Stochastic Dispersal in a Heterogeneous Landscape. Science, 2001, 294, 813-817. | 12.6 | 765 |
| 4 | Prediction and prevention of the next pandemic zoonosis. Lancet, The, 2012, 380, 1956-1965. | 13.7 | 744 |
| 5 | Biological and biomedical implications of the co-evolution of pathogens and their hosts. Nature Genetics, 2002, 32, 569-577. | 21.4 | 729 |
| 6 | Population Biology of Multihost Pathogens. Science, 2001, 292, 1109-1112. | 12.6 | 632 |
| 7 | Global monitoring of antimicrobial resistance based on metagenomics analyses of urban sewage. Nature Communications, 2019, 10, 1124. | 12.8 | 612 |
| 8 | Emerging pathogens: the epidemiology and evolution of species jumps. Trends in Ecology and Evolution, 2005, 20, 238-244. | 8.7 | 597 |
| 9 | Transmission dynamics and epidemiology of BSE in British cattle. Nature, 1996, 382, 779-788. | 27.8 | 565 |
| 10 | Antibiotic resistance is the quintessential One Health issue. Transactions of the Royal Society of Tropical Medicine and Hygiene, 2016, 110, 377-380. | 1.8 | 500 |
| 11 | Interim findings from first-dose mass COVID-19 vaccination roll-out and COVID-19 hospital admissions in Scotland: a national prospective cohort study. Lancet, The, 2021, 397, 1646-1657. | 13.7 | 479 |
| 12 | Antimicrobial resistance in humans, livestock and the wider environment. Philosophical Transactions of the Royal Society B: Biological Sciences, 2015, 370, 20140083. | 4.0 | 461 |
| 13 | Modelling vaccination strategies against foot-and-mouth disease. Nature, 2003, 421, 136-142. | 27.8 | 375 |
| 14 | Human viruses: discovery and emergence. Philosophical Transactions of the Royal Society B: Biological Sciences, 2012, 367, 2864-2871. | 4.0 | 337 |
| 15 | Ecological Origins of Novel Human Pathogens. Critical Reviews in Microbiology, 2007, 33, 231-242. | 6.1 | 304 |
| 16 | Super-shedding and the link between human infection and livestock carriage of Escherichia coli O157. Nature Reviews Microbiology, 2008, 6, 904-912. | 28.6 | 300 |
| 17 | Population biology of emerging and re-emerging pathogens. Trends in Microbiology, 2002, 10, s3-s7. | 7.7 | 266 |
| 18 | Heterogeneous shedding of Escherichia coli O157 in cattle and its implications for control. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 547-552. | 7.1 | 235 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Achieving global targets for antimicrobial resistance. Science, 2016, 353, 874-875. | 12.6 | 233 |
| 20 | Optimal reactive vaccination strategies for a foot-and-mouth outbreak in the UK. Nature, 2006, 440, 83-86. | 27.8 | 216 |
| 21 | Cost of resistance: relationship between reduced fertility and increased resistance in a snailâ€"schistosome hostâ€"parasite system. Proceedings of the Royal Society B: Biological Sciences, 1999, 266, 391-396. | 2.6 | 161 |
| 22 | Infectious Diseases: Preparing for the Future. Science, 2006, 313, 1392-1393. | 12.6 | 160 |
| 23 | The construction and analysis of epidemic trees with reference to the 2001 UK footâ€"andâ€"mouth outbreak. Proceedings of the Royal Society B: Biological Sciences, 2003, 270, 121-127. | 2.6 | 146 |
| 24 | Acquired immunity and epidemiology of Schistosoma haematobium. Nature, 1991, 351, 757-759. | 27.8 | 144 |
| 25 | Spatial and temporal heterogeneity in the population dynamics ofBulinus globosusandBiomphalaria pfeifferiand in the epidemiology of their infection with schistosomes. Parasitology, 1989, 98, 21-34. | 1.5 | 137 |
| 26 | Risk Factors for the Presence of High-Level Shedders of Escherichia coli O157 on Scottish Farms. Journal of Clinical Microbiology, 2007, 45, 1594-1603. | 3.9 | 137 |
| 27 | Policy: An intergovernmental panel on antimicrobial resistance. Nature, 2014, 509, 555-557. | 27.8 | 130 |
| 28 | Relationship Between Clinical Signs and Transmission of an Infectious Disease and the Implications for Control. Science, 2011, 332, 726-729. | 12.6 | 129 |
| 29 | Foot-and-mouth disease under control in the UK. Nature, 2001, 411, 258-259. | 27.8 | 125 |
| 30 | How to make predictions about future infectious disease risks. Philosophical Transactions of the Royal Society B: Biological Sciences, 2011, 366, 2045-2054. | 4.0 | 124 |
| 31 | Using sewage for surveillance of antimicrobial resistance. Science, 2020, 367, 630-632. | 12.6 | 122 |
| 32 | Silent spread of H5N1 in vaccinated poultry. Nature, 2006, 442, 757-757. | 27.8 | 121 |
| 33 | The epidemiology of BSE in cattle herds in Great Britain. II. Model construction and analysis of transmission dynamics. Philosophical Transactions of the Royal Society B: Biological Sciences, 1997, 352, 803-838. | 4.0 | 120 |
| 34 | Are Food Animals Responsible for Transfer of Antimicrobial-ResistantEscherichia colior Their Resistance Determinants to Human Populations? A Systematic Review. Foodborne Pathogens and Disease, 2018, 15, 467-474. | 1.8 | 118 |
| 35 | Chemotherapy Accelerates the Development of Acquired Immune Responses toSchistosoma haematobiumInfection. Journal of Infectious Diseases, 1998, 178, 289-293. | 4.0 | 117 |
| 36 | Sources of Antimicrobial Resistance. Science, 2013, 341, 1460-1461. | 12.6 | 107 |

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|---|---|---|---|
| 37 | Temporal trends in the discovery of human viruses. Proceedings of the Royal Society B: Biological Sciences, 2008, 275, 2111-2115. | 2.6 | 106 |
| 38 | Tradeâ€“offs in the evolution of virulence in an indirectly transmitted macroparasite. Proceedings of the Royal Society B: Biological Sciences, 2001, 268, 251-257. | 2.6 | 98 |
| 39 | Quantifying the level of under-detection of Trypanosoma brucei rhodesiense sleeping sickness cases. Tropical Medicine and International Health, 2005, 10, 840-849. | 2.3 | 96 |
| 40 | Time-Scaled Evolutionary Analysis of the Transmission and Antibiotic Resistance Dynamics of Staphylococcus aureus Clonal Complex 398. Applied and Environmental Microbiology, 2014, 80, 7275-7282. | 3.1 | 91 |
| 41 | Epidemiological implications of the contact network structure for cattle farms and the 20â€“80 rule. Biology Letters, 2005, 1, 350-352. | 2.3 | 90 |
| 42 | Global disease burden due to antibiotic resistance â€“ state of the evidence. Journal of Global Health, 2016, 6, 010306. | 2.7 | 90 |
| 43 | Human schistosomiasis in the post mass drug administration era. Lancet Infectious Diseases, The, 2017, 17, e42-e48. | 9.1 | 90 |
| 44 | Epidemic Reconstruction in a Phylogenetics Framework: Transmission Trees as Partitions of the Node Set. PLoS Computational Biology, 2015, 11, e1004613. | 3.2 | 89 |
| 45 | The role of pre-emptive culling in the control of foot-and-mouth disease. Proceedings of the Royal Society B: Biological Sciences, 2009, 276, 3239-3248. | 2.6 | 84 |
| 46 | Lessons from Ebola: Improving infectious disease surveillance to inform outbreak management. Science Translational Medicine, 2015, 7, 307rv5. | 12.4 | 82 |
| 47 | Adaptation, spread and transmission of SARS-CoV-2 in farmed minks and associated humans in the Netherlands. Nature Communications, 2021, 12, 6802. | 12.8 | 81 |
| 48 | Hostâ€“parasite population genetics: a cross-sectional comparison of Bulinus globosus and Schistosoma haematobium. Parasitology, 1999, 119, 295-302. | 1.5 | 80 |
| 49 | Intestinal parasite burden in five troops of olive baboons (Papio cynocephalus anubis) in Gombe Stream National Park, Tanzania. Parasitology, 1996, 112, 489-497. | 1.5 | 78 |
| 50 | Heterogeneities in water contact patterns and the epidemiology of schistosoma haematobium. Parasitology, 1991, 103, 363-370. | 1.5 | 77 |
| 51 | Failure of vaccination to prevent outbreaks of foot-and-mouth disease. Epidemiology and Infection, 1996, 116, 363-371. | 2.1 | 76 |
| 52 | Genome-wide analysis reveals the ancient and recent admixture history of East African Shorthorn Zebu from Western Kenya. Heredity, 2014, 113, 297-305. | 2.6 | 74 |
| 53 | Epidemiological characteristics of human-infective RNA viruses. Scientific Data, 2018, 5, 180017. | 5.3 | 74 |
| 54 | Vectorâ€borne diseases and the basic reproduction number: a case study of African horse sickness. Medical and Veterinary Entomology, 1996, 10, 19-28. | 1.5 | 72 |

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|---|---|---|---|
| 55 | Sheep Movement Networks and the Transmission of Infectious Diseases. PLoS ONE, 2010, 5, e11185. | 2.5 | 72 |
| 56 | Assessing the Epidemic Potential of RNA and DNA Viruses. Emerging Infectious Diseases, 2016, 22, 2037-2044. | 4.3 | 72 |
| 57 | Schistosoma mansoni infection in a natural population of olive baboons (Papio cynocephalus anubis) in Gombe Stream National Park, Tanzania. Parasitology, 1997, 115, 621-627. | 1.5 | 70 |
| 58 | The effects of sampling strategy on the quality of reconstruction of viral population dynamics using Bayesian skyline family coalescent methods: A simulation study. Virus Evolution, 2016, 2, vew003. | 4.9 | 69 |
| 59 | UN High-Level Meeting on antimicrobialsâ€"what do we need?. Lancet, The, 2016, 388, 218-220. | 13.7 | 69 |
| 60 | Paediatric schistosomiasis: What we know and what we need to know. PLoS Neglected Tropical Diseases, 2018, 12, e0006144. | 3.0 | 69 |
| 61 | Accuracy of models for the 2001 foot-and-mouth epidemic. Proceedings of the Royal Society B: Biological Sciences, 2008, 275, 1459-1468. | 2.6 | 68 |
| 62 | New approaches to quantifying the spread of infection. Nature Reviews Microbiology, 2005, 3, 529-536. | 28.6 | 66 |
| 63 | Clinically relevant antimicrobial resistance at the wildlifeâ€"livestockâ€"human interface in Nairobi: an epidemiological study. Lancet Planetary Health, The, 2019, 3, e259-e269. | 11.4 | 64 |
| 64 | Factors affecting the intensity of reinfection with Schistosoma haematobium following treatment with praziquantel. Parasitology, 1991, 102, 73-83. | 1.5 | 63 |
| 65 | SELECTION AND STRAIN SPECIFICITY OF COMPATIBILITY BETWEEN SNAIL INTERMEDIATE HOSTS AND THEIR PARASITIC SCHISTOSOMES. Evolution; International Journal of Organic Evolution, 1998, 52, 1627-1634. | 2.3 | 63 |
| 66 | The epidemiology of BSE in cattle herds in Great Britain. I. Epidemiological processes, demography of cattle and approaches to control by culling. Philosophical Transactions of the Royal Society B: Biological Sciences, 1997, 352, 781-801. | 4.0 | 62 |
| 67 | Heterogeneities in schistosome transmission dynamics and control. Parasitology, 1998, 117, 475-482. | 1.5 | 62 |
| 68 | Epidemiology and control of scrapie within a sheep flock. Proceedings of the Royal Society B: Biological Sciences, 1998, 265, 1205-1210. | 2.6 | 60 |
| 69 | Co-infections determine patterns of mortality in a population exposed to parasite infection. Science Advances, 2015, 1, e1400026. | 10.3 | 60 |
| 70 | Controlling infectious disease through the targeted manipulation of contact network structure. Epidemics, 2015, 12, 11-19. | 3.0 | 57 |
| 71 | INFERENCE FOR INDIVIDUAL-LEVEL MODELS OF INFECTIOUS DISEASES IN LARGE POPULATIONS. Statistica Sinica, 2010, 20, 239-261. | 0.3 | 57 |
| 72 | Emerging diseases go global. Nature, 2008, 451, 898-899. | 27.8 | 56 |

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|---|---|---|---|
| 73 | Managing foot-and-mouth. Nature, 2001, 410, 515-516. | 27.8 | 55 |
| 74 | Parasite Co-Infections and Their Impact on Survival of Indigenous Cattle. PLoS ONE, 2014, 9, e76324. | 2.5 | 55 |
| 75 | Modelling the impact of curtailing antibiotic usage in food animals on antibiotic resistance in humans. Royal Society Open Science, 2017, 4, 161067. | 2.4 | 54 |
| 76 | Footâ€andâ€mouth disease virus infection of sheep: implications for diagnosis and control. Veterinary Record, 2002, 150, 724-727. | 0.3 | 53 |
| 77 | Epidemiology of trypanosome infections of the tsetse fly Glossina pallidipes in the Zambezi Valley. Parasitology, 1993, 106, 479-485. | 1.5 | 52 |
| 78 | Unbiased whole-genome deep sequencing of human and porcine stool samples reveals circulation of multiple groups of rotaviruses and a putative zoonotic infection. Virus Evolution, 2016, 2, vew027. | 4.9 | 52 |
| 79 | RNA Viruses: A Case Study of the Biology of Emerging Infectious Diseases. Microbiology Spectrum, 2013, 1, . | 3.0 | 51 |
| 80 | Reconstructing Geographical Movements and Host Species Transitions of Foot-and-Mouth Disease Virus Serotype SAT 2. MBio, 2013, 4, e00591-13. | 4.1 | 50 |
| 81 | Biased sex ratios and parasite mating probabilities. Parasitology, 1993, 107, 287-295. | 1.5 | 48 |
| 82 | Acquisition and epidemiology of antibiotic-resistant Escherichia coli in a cohort of newborn calves. Journal of Antimicrobial Chemotherapy, 2004, 53, 867-871. | 3.0 | 47 |
| 83 | The Vietnam Initiative on Zoonotic Infections (VIZIONS): A Strategic Approach to Studying Emerging Zoonotic Infectious Diseases. EcoHealth, 2015, 12, 726-735. | 2.0 | 47 |
| 84 | Efficient surveillance for healthcare-associated infections spreading between hospitals. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 2271-2276. | 7.1 | 46 |
| 85 | Aggregation and distribution of strains in microparasites. Philosophical Transactions of the Royal Society B: Biological Sciences, 1999, 354, 799-807. | 4.0 | 45 |
| 86 | Exposure, infection and immune responses to Schistosoma haematobium in young children. Parasitology, 2000, 120, 37-44. | 1.5 | 45 |
| 87 | Distribution and abundance of trypanosome (subgenus Nannomonas) infections of the tsetse fly Glossina pallidipes in southern Africa. Molecular Ecology, 1996, 5, 11-18. | 3.9 | 43 |
| 88 | Population Biology of the Freshwater Snail Bulinus globosus in the Zimbabwe Highveld. Journal of Applied Ecology, 1990, 27, 41. | 4.0 | 42 |
| 89 | Population Biology of the Freshwater Snail Biomphalaria pfeifferi in the Zimbabwe Highveld. Journal of Applied Ecology, 1992, 29, 687. | 4.0 | 41 |
| 90 | Molecular characterisation of bovine faecal Escherichia coli shows persistence of defined ampicillin resistant strains and the presence of class 1 integrons on an organic beef farm. Veterinary Microbiology, 2006, 115, 250-257. | 1.9 | 41 |

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|---|---|---|---|
| 91 | Schistosome Infection Intensity Is Inversely Related to Auto-Reactive Antibody Levels. PLoS ONE, 2011, 6, e19149. | 2.5 | 41 |
| 92 | The epidemiology of tick-borne haemoparasites as determined by the reverse line blot hybridization assay in an intensively studied cohort of calves in western Kenya. Veterinary Parasitology, 2015, 210, 69-76. | 1.8 | 41 |
| 93 | Age-Related Decline in Carriage of Ampicillin-Resistant Escherichia coli in Young Calves. Applied and Environmental Microbiology, 2004, 70, 6927-6930. | 3.1 | 40 |
| 94 | Potential for transmission of infections in networks of cattle farms. Epidemics, 2010, 2, 116-122. | 3.0 | 40 |
| 95 | The effect of schistosome infection on the mortality rates ofBulinus globosusandBiomphalaria pfeifferi. Annals of Tropical Medicine and Parasitology, 1989, 83, 137-141. | 1.6 | 39 |
| 96 | Neighbourhood control policies and the spread of infectious diseases. Proceedings of the Royal Society B: Biological Sciences, 2003, 270, 1659-1666. | 2.6 | 39 |
| 97 | High frequency transfer and horizontal spread of apramycin resistance in calf faecal Escherichia coli. Journal of Antimicrobial Chemotherapy, 2004, 54, 534-537. | 3.0 | 39 |
| 98 | Protective immunity to Schistosoma haematobium infection is primarily an anti-fecundity response stimulated by the death of adult worms. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 13347-13352. | 7.1 | 38 |
| 99 | Relative associations of cattle movements, local spread, and biosecurity with bovine viral diarrhoea virus (BVDV) seropositivity in beef and dairy herds. Preventive Veterinary Medicine, 2013, 112, 285-295. | 1.9 | 38 |
| 100 | Changes in parasite aggregation with age: a discrete infection model. Parasitology, 1995, 111, 635-644. | 1.5 | 37 |
| 101 | Topographic determinants of foot and mouth disease transmission in the UK 2001 epidemic. BMC Veterinary Research, 2006, 2, 3. | 1.9 | 37 |
| 102 | Detection and Characterization of Homologues of Human Hepatitis Viruses and Pegiviruses in Rodents and Bats in Vietnam. Viruses, 2018, 10, 102. | 3.3 | 37 |
| 103 | First dose ChAdOx1 and BNT162b2 COVID-19 vaccinations and cerebral venous sinus thrombosis: A pooled self-controlled case series study of 11.6 million individuals in England, Scotland, and Wales. PLoS Medicine, 2022, 19, e1003927. | 8.4 | 37 |
| 104 | Epidemiology of antimicrobial-resistant Escherichia coli carriage in sympatric humans and livestock in a rapidly urbanizing city. International Journal of Antimicrobial Agents, 2019, 54, 531-537. | 2.5 | 36 |
| 105 | A cross-sectional survey of practices and knowledge among antibiotic retailers in Nairobi, Kenya. Journal of Global Health, 2019, 9, 010412. | 2.7 | 36 |
| 106 | Foot-and-mouth disease in the UK: What should we do next time?. Journal of Applied Microbiology, 2003, 94, 126-130. | 3.1 | 34 |
| 107 | One Health in Action: Operational Aspects of an Integrated Surveillance System for Zoonoses in Western Kenya. Frontiers in Veterinary Science, 2019, 6, 252. | 2.2 | 34 |
| 108 | Design and descriptive epidemiology of the Infectious Diseases of East African Livestock (IDEAL) project, a longitudinal calf cohort study in western Kenya. BMC Veterinary Research, 2013, 9, 171. | 1.9 | 33 |

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|---|---|---|---|
| 109 | Impact of changes in cattle movement regulations on the risks of bovine tuberculosis for Scottish farms. Preventive Veterinary Medicine, 2013, 108, 125-136. | 1.9 | 33 |
| 110 | The gut microbiome but not the resistome is associated with urogenital schistosomiasis in preschool-aged children. Communications Biology, 2020, 3, 155. | 4.4 | 33 |
| 111 | Serial passage of foot-and-mouth disease virus in sheep reveals declining levels of viraemia over time. Journal of General Virology, 2002, 83, 1907-1914. | 2.9 | 33 |
| 112 | Population dynamics of a scrapie outbreak. Archives of Virology, 2001, 146, 1173-1186. | 2.1 | 32 |
| 113 | Vaccination against Foot-And-Mouth Disease: Do Initial Conditions Affect Its Benefit?. PLoS ONE, 2013, 8, e77616. | 2.5 | 32 |
| 114 | Molecular Epidemiology of Antimicrobial-Resistant Commensal Escherichia coli Strains in a Cohort of Newborn Calves. Applied and Environmental Microbiology, 2005, 71, 6680-6688. | 3.1 | 31 |
| 115 | Mortality in East African shorthorn zebu cattle under one year: predictors of infectious-disease mortality. BMC Veterinary Research, 2013, 9, 175. | 1.9 | 31 |
| 116 | The diversity of human RNA viruses. Future Virology, 2013, 8, 159-171. | 1.8 | 31 |
| 117 | Diversity ofBartonellaspp. in Bats, Southern Vietnam. Emerging Infectious Diseases, 2015, 21, 1266-1267. | 4.3 | 31 |
| 118 | Not all cows are epidemiologically equal: quantifying the risks of bovine viral diarrhoea virus (BVDV) transmission through cattle movements. Veterinary Research, 2014, 45, 110. | 3.0 | 30 |
| 119 | Distinct immune responses and virus shedding in pigs following aerosol, intra-nasal and contact infection with pandemic swine influenza A virus, A(H1N1)09. Veterinary Research, 2016, 47, 103. | 3.0 | 30 |
| 120 | Using genomics data to reconstruct transmission trees during disease outbreaks. OIE Revue Scientifique Et Technique, 2016, 35, 287-296. | 1.2 | 30 |
| 121 | Population genomics of Escherichia coli in livestock-keeping households across a rapidly developing urban landscape. Nature Microbiology, 2022, 7, 581-589. | 13.3 | 30 |
| 122 | Statistical modeling of holding level susceptibility to infection during the 2001 foot and mouth disease epidemic in Great Britain. International Journal of Infectious Diseases, 2010, 14, e210-e215. | 3.3 | 29 |
| 123 | Identifying and Evaluating Field Indicators of Urogenital Schistosomiasis-Related Morbidity in Preschool-Aged Children. PLoS Neglected Tropical Diseases, 2015, 9, e0003649. | 3.0 | 28 |
| 124 | Predictors of COVID-19 epidemics in countries of the World Health Organization African Region. Nature Medicine, 2021, 27, 2041-2047. | 30.7 | 27 |
| 125 | Where Do Emerging Pathogens Come from?. Microbe Magazine, 2006, 1, 511-515. | 0.4 | 27 |
| 126 | Population dynamics of scrapie in a sheep flock. Philosophical Transactions of the Royal Society B: Biological Sciences, 1999, 354, 751-756. | 4.0 | 26 |

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| 127 | Chemotherapy-induced, age-related changes in antischistosome antibody responses. Parasite Immunology, 2003, 25, 87-97. | 1.5 | 26 |
| 128 | Comparing parasitological vs serological determination of Schistosoma haematobium infection prevalence in preschool and primary school-aged children: implications for control programmes. Parasitology, 2014, 141, 1962-1970. | 1.5 | 26 |
| 129 | Efficacy of praziquantel has been maintained over four decades (from 1977 to 2018): A systematic review and meta-analysis of factors influence its efficacy. PLoS Neglected Tropical Diseases, 2021, 15, e0009189. | 3.0 | 26 |
| 130 | Secrets of the Hospital Underbelly: Patterns of Abundance of Antimicrobial Resistance Genes in Hospital Wastewater Vary by Specific Antimicrobial and Bacterial Family. Frontiers in Microbiology, 2021, 12, 703560. | 3.5 | 26 |
| 131 | Mathematical models of transmission dynamics and control of schistosomiasis. American Journal of Tropical Medicine and Hygiene, 1996, 55, 144-148. | 1.4 | 26 |
| 132 | Population genetics of the schistosome intermediate hostBiomphalaria pfeifferiin the Zimbabwean highveld: implications for co-evolutionary theory. Annals of Tropical Medicine and Parasitology, 2001, 95, 203-214. | 1.6 | 25 |
| 133 | A genetic interpretation of heightened risk of BSE in offspring of affected dams. Proceedings of the Royal Society B: Biological Sciences, 1997, 264, 1445-1455. | 2.6 | 24 |
| 134 | Epidemiology of an intestinal parasite (Spirometra spp.) in two populations of African lions (Panthera) Tj ETQq0 0 0 rgBT /Overlock 10 Tf | 1.5 | 23 |
| 135 | Explaining Observed Infection and Antibody Age-Profiles in Populations with Urogenital Schistosomiasis. PLoS Computational Biology, 2011, 7, e1002237. | 3.2 | 23 |
| 136 | Genetic susceptibility to infectious disease in East African Shorthorn Zebu: a genome-wide analysis of the effect of heterozygosity and exotic introgression. BMC Evolutionary Biology, 2013, 13, 246. | 3.2 | 23 |
| 137 | Characterizing sequence variation in the VP1 capsid proteins of foot and mouth disease virus (serotype 0) with respect to virion structure. Journal of Molecular Evolution, 1998, 46, 465-475. | 1.8 | 22 |
| 138 | Coccidiosis in the European badger (Meles meles) from England, an epidemiological study. Parasitology, 2000, 120, 255-260. | 1.5 | 22 |
| 139 | Theileria annulata: virulence and transmission from single and mixed clone infections in cattle. Experimental Parasitology, 2002, 100, 186-195. | 1.2 | 21 |
| 140 | Predicted Impact of Mass Drug Administration on the Development of Protective Immunity against Schistosoma haematobium. PLoS Neglected Tropical Diseases, 2014, 8, e3059. | 3.0 | 21 |
| 141 | On the interpretation of ageâ€"prevalence curves for schistosome infections of host snails. Parasitology, 1989, 99, 47-56. | 1.5 | 20 |
| 142 | On estimating the basic reproduction number forSchistosoma haematobium. Tropical Medicine and International Health, 1996, 1, 456-463. | 2.3 | 20 |
| 143 | Understanding the epidemiology of BSE. Trends in Microbiology, 1997, 5, 421-424. | 7.7 | 20 |
| 144 | Herd-level risk factors associated with the presence of Phage type 21/28 E. coli O157 on Scottish cattle farms. BMC Microbiology, 2006, 6, 99. | 3.3 | 20 |

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| 145 | Exploiting strain diversity to expose transmission heterogeneities and predict the impact of targeting supershedding. Epidemics, 2009, 1, 221-229. | 3.0 | 20 |
| 146 | Transmission and distribution of virus serotypes: African horse sickness in zebra. Epidemiology and Infection, 1997, 118, 43-50. | 2.1 | 19 |
| 147 | Geographic and topographic determinants of local FMD transmission applied to the 2001 UK FMD epidemic. BMC Veterinary Research, 2008, 4, 40. | 1.9 | 19 |
| 148 | Detection of mortality clusters associated with highly pathogenic avian influenza in poultry: a theoretical analysis. Journal of the Royal Society Interface, 2008, 5, 1409-1419. | 3.4 | 19 |
| 149 | Deterministic processes structure bacterial genetic communities across an urban landscape. Nature Communications, 2019, 10, 2643. | 12.8 | 19 |
| 150 | Dose-dependent Responses of Sheep Inoculated Intranasally with a Type O Foot-and-mouth Disease Virus. Journal of Comparative Pathology, 2002, 127, 22-29. | 0.4 | 18 |
| 151 | Tissue tropism and transmission ecology predict virulence of human RNA viruses. PLoS Biology, 2019, 17, e3000206. | 5.6 | 18 |
| 152 | A markâ€"recapture method for ecological studies of schistosomiasis vector snail populations. Annals of Tropical Medicine and Parasitology, 1988, 82, 485-497. | 1.6 | 17 |
| 153 | On the interpretation of ageâ€"prevalence curves for trypanosome infections of tsetse flies. Parasitology, 1998, 116, 149-156. | 1.5 | 17 |
| 154 | Spatio-temporal genetic variability in the schistosome intermediate host Biomphalaria pfeifferi. Annals of Tropical Medicine and Parasitology, 2001, 95, 515-527. | 1.6 | 17 |
| 155 | A longitudinal assessment of the serological response toTheileria parvaand other tick-borne parasites from birth to one year in a cohort of indigenous calves in western Kenya. Parasitology, 2014, 141, 1289-1298. | 1.5 | 17 |
| 156 | Spread of E. coli O157 infection among Scottish cattle farms: Stochastic models and model selection. Epidemics, 2010, 2, 11-20. | 3.0 | 16 |
| 157 | Estimating risk factors for farm-level transmission of disease: Foot and mouth disease during the 2001 epidemic in Great Britain. Epidemics, 2010, 2, 109-115. | 3.0 | 16 |
| 158 | Comparative Assessment of Health Benefits of Praziquantel Treatment of Urogenital Schistosomiasis in Preschool and Primary School-Aged Children. BioMed Research International, 2016, 2016, 1-11. | 1.9 | 16 |
| 159 | Heterogeneous shedding of influenza by human subjects and its implications for epidemiology and control. Scientific Reports, 2016, 6, 38749. | 3.3 | 16 |
| 160 | Extensive genetic variation revealed in adjacent populations of the schistosome intermediate hostBiomphalaria pfeifferifrom a single river system. Annals of Tropical Medicine and Parasitology, 1998, 92, 693-698. | 1.6 | 15 |
| 161 | Stochastic simulation and the detection of immunity to schistosome infections. Parasitology, 2000, 120, 161-169. | 1.5 | 15 |
| 162 | Quantifying Transmission. Microbiology Spectrum, 2017, 5, . | 3.0 | 15 |

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| 163 | Segmentation and shielding of the most vulnerable members of the population as elements of an exit strategy from COVID-19 lockdown. Philosophical Transactions of the Royal Society B: Biological Sciences, 2021, 376, 20200275. | 4.0 | 15 |
| 164 | Genotype-level variation in lifetime breeding success, litter size and survival of sheep in scrapie-affected flocks. Journal of General Virology, 2005, 86, 1229-1238. | 2.9 | 15 |
| 165 | Contrasting cellular responses in Schistosoma haematobium infected and exposed individuals from areas of high and low transmission in Zimbabwe. Immunology Letters, 2003, 88, 249-256. | 2.5 | 14 |
| 166 | The predicted impact of immunosuppression upon population ageâ€“intensity profiles for schistosomiasis. Parasite Immunology, 2008, 30, 462-470. | 1.5 | 14 |
| 167 | A Meta-Analysis of Experimental Studies of Attenuated Schistosoma mansoni Vaccines in the Mouse Model. Frontiers in Immunology, 2015, 6, 85. | 4.8 | 14 |
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