

Antibiotic use and its consequences for the normal micro

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Citation Report

#	ARTICLE	IF	CITATIONS
1	The Development of Our Organ of Other Kindsâ€”The Gut Microbiota. <i>Frontiers in Microbiology</i> , 2016, 7, 2107.	3.5	12
2	Conquering Neutrophils. <i>PLoS Pathogens</i> , 2016, 12, e1005682.	4.7	43
3	Primary sclerosing cholangitis: 50â€™years of a gutâ€™liver relationship and still no love?. <i>Gut</i> , 2016, 65, 1579-1581.	12.1	42
4	The role of the microbiota in surgical recovery. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2016, 19, 347-352.	2.5	17
5	Antibiotics as deep modulators of gut microbiota: between good and evil. <i>Gut</i> , 2016, 65, 1906-1915.	12.1	463
6	Promise and Limitations of Procalcitonin to Identify Bacterial Infections in the Pediatric Intensive Care Unit. <i>Journal of Pediatrics</i> , 2016, 179, 7-9.	1.8	6
7	Highâ€™Solidâ€™Gate Transistor Configured Graphene Biosensor with Fully Integrated Structure and Enhanced Sensitivity. <i>Advanced Functional Materials</i> , 2016, 26, 7668-7678.	14.9	54
8	Making sense of the urinary microbiota in clinical urology. <i>Nature Reviews Urology</i> , 2016, 13, 567-568.	3.8	4
9	Hominid superorganisms. <i>Science</i> , 2016, 353, 350-351.	12.6	7
10	Cryptosporidiosis Drug Discovery: Opportunities and Challenges. <i>ACS Infectious Diseases</i> , 2016, 2, 530-537.	3.8	41
11	Mosquitoes host communities of bacteria that are essential for development but vary greatly between local habitats. <i>Molecular Ecology</i> , 2016, 25, 5806-5826.	3.9	250
12	The Central Nervous System and the Gut Microbiome. <i>Cell</i> , 2016, 167, 915-932.	28.9	985
13	The Intestinal Microbiota in the Irritable Bowel Syndrome. <i>International Review of Neurobiology</i> , 2016, 131, 247-261.	2.0	21
14	Prophylaxis for Stress Ulcers With Proton Pump Inhibitors Is Not Associated With Increased Risk of Bloodstream Infections in the Intensive Care Unit. <i>Clinical Gastroenterology and Hepatology</i> , 2017, 15, 1030-1036.e1.	4.4	9
15	Basic Definitions and Concepts: Organization of the Gut Microbiome. <i>Gastroenterology Clinics of North America</i> , 2017, 46, 1-8.	2.2	15
16	Special pro-resolving mediator (SPM) actions in regulating gastro-intestinal inflammation and gut mucosal immune responses. <i>Molecular Aspects of Medicine</i> , 2017, 58, 93-101.	6.4	17
17	Probiotic use in an infectious disease setting. <i>Expert Review of Anti-Infective Therapy</i> , 2017, 15, 449-455.	4.4	18
18	The mechanism behind the selection of two different cleavage sites in NAG-NAM polymers. <i>IUCr</i> , 2017, 4, 185-198.	2.2	12

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19	Chemical signaling between gut microbiota and host chromatin: What is your gut really saying?. <i>Journal of Biological Chemistry</i> , 2017, 292, 8582-8593.	3.4	41
20	Electrocatalytic properties of N-doped graphite felt in electro-Fenton process and degradation mechanism of levofloxacin. <i>Chemosphere</i> , 2017, 182, 306-315.	8.2	176
21	The shrinking human gut microbiome. <i>Current Opinion in Microbiology</i> , 2017, 38, 30-35.	5.1	47
22	Next-generation precision antimicrobials: towards personalized treatment of infectious diseases. <i>Current Opinion in Microbiology</i> , 2017, 37, 95-102.	5.1	100
23	The resilience of the intestinal microbiota influences health and disease. <i>Nature Reviews Microbiology</i> , 2017, 15, 630-638.	28.6	696
24	Topical Antimicrobial Treatments Can Elicit Shifts to Resident Skin Bacterial Communities and Reduce Colonization by <i>Staphylococcus aureus</i> Competitors. <i>Antimicrobial Agents and Chemotherapy</i> , 2017, 61, .	3.2	48
25	Brain Autoimmunity and Intestinal Microbiota: 100 Trillion Game Changers. <i>Trends in Immunology</i> , 2017, 38, 483-497.	6.8	85
26	Transmission of the gut microbiota: spreading of health. <i>Nature Reviews Microbiology</i> , 2017, 15, 531-543.	28.6	150
27	Expert consensus document: The International Scientific Association for Probiotics and Prebiotics (ISAPP) consensus statement on the definition and scope of prebiotics. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2017, 14, 491-502.	17.8	3,192
28	Old and new models for studying host-microbe interactions in health and disease: <i>C. difficile</i> as an example. <i>American Journal of Physiology - Renal Physiology</i> , 2017, 312, G623-G627.	3.4	4
29	The development of probiotics for women's health. <i>Canadian Journal of Microbiology</i> , 2017, 63, 269-277.	1.7	50
30	Associations of the vaginal microbiota with HIV infection, bacterial vaginosis, and demographic factors. <i>Aids</i> , 2017, 31, 895-904.	2.2	44
31	Long-term use of antibiotics and risk of colorectal adenoma. <i>Gut</i> , 2018, 67, gutjnl-2016-313413.	12.1	125
32	Healthcare Claims Data: An Underutilized Tool for Pediatric Outpatient Antimicrobial Stewardship. <i>Clinical Infectious Diseases</i> , 2017, 64, 1479-1485.	5.8	27
33	Gut microbiome as a clinical tool in gastrointestinal disease management: are we there yet?. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2017, 14, 315-320.	17.8	96
34	The influence of gut-decontamination prophylactic antibiotics on acute graft-versus-host disease and survival following allogeneic hematopoietic stem cell transplantation. <i>Oncotarget</i> , 2017, 6, e1258506.	4.6	55
35	Enterosalivary nitrate metabolism and the microbiome: Intersection of microbial metabolism, nitric oxide and diet in cardiac and pulmonary vascular health. <i>Free Radical Biology and Medicine</i> , 2017, 105, 48-67.	2.9	123
36	Role of viral infections in the development and exacerbation of asthma in children. <i>Journal of Allergy and Clinical Immunology</i> , 2017, 140, 895-906.	2.9	334

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37	Natural Products as Platforms To Overcome Antibiotic Resistance. <i>Chemical Reviews</i> , 2017, 117, 12415-12474.	47.7	393
38	Surgical Antibiotic Prophylaxis and Risk for Postoperative Antibiotic-Resistant Infections. <i>Journal of the American College of Surgeons</i> , 2017, 225, 631-638e3.	0.5	45
39	Microbiota-Brain-Gut Axis and Neurodegenerative Diseases. <i>Current Neurology and Neuroscience Reports</i> , 2017, 17, 94.	4.2	513
40	Phagocytes, Antibiotics, and Self-Limiting Bacterial Infections. <i>Trends in Microbiology</i> , 2017, 25, 878-892.	7.7	49
41	Host transcriptomics for diagnosis of infectious diseases: one step closer to clinical application. <i>European Respiratory Journal</i> , 2017, 49, 1700993.	6.7	11
42	Changing antibiotic resistance: sustainability transformation to a pro-microbial planet. <i>Current Opinion in Environmental Sustainability</i> , 2017, 25, 66-76.	6.3	20
43	Microbial Disruption Indices to Detect Colonization With Multidrug-Resistant Organisms. <i>Infection Control and Hospital Epidemiology</i> , 2017, 38, 1312-1318.	1.8	11
44	Changes in the intestinal microbiota following the administration of azithromycin in a randomised placebo-controlled trial among infants in south India. <i>Scientific Reports</i> , 2017, 7, 9168.	3.3	55
45	Metabolic programming of the epigenome: host and gut microbial metabolite interactions with host chromatin. <i>Translational Research</i> , 2017, 189, 30-50.	5.0	34
46	Mitochondrial dysfunction and potential anticancer therapy. <i>Medicinal Research Reviews</i> , 2017, 37, 1275-1298.	10.5	36
47	Mikrobiom: Worauf Sie bei Ihren Patienten achten sollten. <i>Osteopathische Medizin</i> , 2017, 18, 36-39.	0.2	0
48	Synthesis and characterisation of cross-linked chitosan composites functionalised with silver and gold nanoparticles for antimicrobial applications. <i>Science and Technology of Advanced Materials</i> , 2017, 18, 528-540.	6.1	40
49	Strategies to increase the efficacy of using gut microbiota for the modulation of obesity. <i>Obesity Reviews</i> , 2017, 18, 1260-1271.	6.5	24
50	Bile acids and intestinal microbiota in autoimmune cholestatic liver diseases. <i>Autoimmunity Reviews</i> , 2017, 16, 885-896.	5.8	158
51	<i>E. coli</i> O124 K72 alters the intestinal barrier and the tight junctions proteins of guinea pig intestine. <i>Biomedicine and Pharmacotherapy</i> , 2017, 94, 468-473.	5.6	22
52	The influence of the commensal microbiota on distal tumor-promoting inflammation. <i>Seminars in Immunology</i> , 2017, 32, 62-73.	5.6	24
53	Feeding the microbiota: transducer of nutrient signals for the host. <i>Gut</i> , 2017, 66, 1709-1717.	12.1	124
54	Maturation of the Infant Respiratory Microbiota, Environmental Drivers, and Health Consequences. A Prospective Cohort Study. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2017, 196, 1582-1590.	5.6	237

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55	Understanding and Preventing the Global Increase of Inflammatory Bowel Disease. <i>Gastroenterology</i> , 2017, 152, 313-321.e2.	1.3	777
56	Critically ill patients demonstrate large interpersonal variation in intestinal microbiota dysregulation: a pilot study. <i>Intensive Care Medicine</i> , 2017, 43, 59-68.	8.2	183
57	Anion inhibition profiles of the Î³-carbonic anhydrase from the pathogenic bacterium <i>Burkholderia pseudomallei</i> responsible of melioidosis and highly drug resistant to common antibiotics. <i>Bioorganic and Medicinal Chemistry</i> , 2017, 25, 575-580.	3.0	16
58	Molecular pathological epidemiology: new developing frontiers of big data science to study etiologies and pathogenesis. <i>Journal of Gastroenterology</i> , 2017, 52, 265-275.	5.1	88
59	A perspective on general direction and challenges facing antimicrobial peptides. <i>Chinese Chemical Letters</i> , 2017, 28, 703-708.	9.0	35
60	Targeting cancer cells through antibiotics-induced mitochondrial dysfunction requires autophagy inhibition. <i>Cancer Letters</i> , 2017, 384, 60-69.	7.2	33
61	Antibiotic use and microbiome function. <i>Biochemical Pharmacology</i> , 2017, 134, 114-126.	4.4	240
63	Differential Hallmarks of Celiac Versus Non-Celiac Gluten Sensitivity. , 0, , .		1
65	Upregulation and Identification of Antibiotic Activity of a Marine-Derived <i>Streptomyces</i> sp. via Co-Cultures with Human Pathogens. <i>Marine Drugs</i> , 2017, 15, 250.	4.6	55
66	Global Change and the Soil Microbiome: A Human-Health Perspective. <i>Frontiers in Ecology and Evolution</i> , 2017, 5, .	2.2	19
67	The Influence of Host Stress on the Mechanism of Infection: Lost Microbiomes, Emergent Pathobiomes, and the Role of Interkingdom Signaling. <i>Frontiers in Microbiology</i> , 2017, 08, 322.	3.5	37
68	Microbial Ecology along the Gastrointestinal Tract. <i>Microbes and Environments</i> , 2017, 32, 300-313.	1.6	372
69	The human microbiome in evolution. <i>BMC Biology</i> , 2017, 15, 127.	3.8	243
70	“Nature versus Nurture” and the indigenous microbiome. <i>Journal of Public Health and Emergency</i> , 2017, 1, 30-30.	4.4	0
71	Fifth Chinese National Consensus Report on the management of <i>Helicobacter pylori</i> infection. <i>Helicobacter</i> , 2018, 23, e12475.	3.5	304
72	Insight into electro-Fenton and photo-Fenton for the degradation of antibiotics: Mechanism study and research gaps. <i>Chemical Engineering Journal</i> , 2018, 347, 379-397.	12.7	287
73	Validation of a traditional preparation against multi-drug resistant <i>Salmonella Typhi</i> and its protective efficacy in <i>S. Typhimurium</i> infected mice. <i>Biomedicine and Pharmacotherapy</i> , 2018, 99, 286-289.	5.6	6
74	Urbanization and the gut microbiota in health and inflammatory bowel disease. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2018, 15, 440-452.	17.8	187

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75	β-Lactam Biotransformations Activate Innate Immunity. <i>Journal of Organic Chemistry</i> , 2018, 83, 7173-7179.	3.2	18
76	Metaorganisms in extreme environments: do microbes play a role in organismal adaptation?. <i>Zoology</i> , 2018, 127, 1-19.	1.2	194
77	Aquatic photochemistry of sulfamethazine: multivariate effects of main water constituents and mechanisms. <i>Environmental Sciences: Processes and Impacts</i> , 2018, 20, 513-522.	3.5	29
78	The role of the gut microbiota in schizophrenia: Current and future perspectives. <i>World Journal of Biological Psychiatry</i> , 2018, 19, 571-585.	2.6	39
79	Acute Oral Administration of Single-Walled Carbon Nanotubes Increases Intestinal Permeability and Inflammatory Responses: Association with the Changes in Gut Microbiota in Mice. <i>Advanced Healthcare Materials</i> , 2018, 7, e1701313.	7.6	40
80	Role of priority effects in the early-life assembly of the gut microbiota. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2018, 15, 197-205.	17.8	258
81	Knowledge, practices & attitude toward antibiotics use and bacterial resistance in Jordan: A cross-sectional study. <i>Infection, Disease and Health</i> , 2018, 23, 33-40.	1.1	35
82	<i>Drosophila</i> Perpetuates Nutritional Mutualism by Promoting the Fitness of Its Intestinal Symbiont <i>Lactobacillus plantarum</i> . <i>Cell Metabolism</i> , 2018, 27, 362-377.e8.	16.2	114
83	Maturation of the gut microbiome and risk of asthma in childhood. <i>Nature Communications</i> , 2018, 9, 141.	12.8	380
84	Photocatalytic degradation of levofloxacin by ternary Ag ₂ CO ₃ /CeO ₂ /AgBr photocatalyst under visible-light irradiation: Degradation pathways, mineralization ability, and an accelerated interfacial charge transfer process study. <i>Journal of Catalysis</i> , 2018, 358, 211-223.	6.2	189
85	Gut microbiome modulates efficacy of immune checkpoint inhibitors. <i>Journal of Hematology and Oncology</i> , 2018, 11, 47.	17.0	138
86	Distinct consequences of amoxicillin and ertapenem exposure in the porcine gut microbiome. <i>Anaerobe</i> , 2018, 53, 82-93.	2.1	37
87	Elucidation of bacterial species during childhood diarrhea through 16S rRNA Illumina Miseq approach. <i>Meta Gene</i> , 2018, 16, 234-240.	0.6	3
88	Nano vanadium dioxide films deposited on biomedical titanium: a novel approach for simultaneously enhanced osteogenic and antibacterial effects. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018, 46, 58-74.	2.8	16
89	Extensive impact of non-antibiotic drugs on human gut bacteria. <i>Nature</i> , 2018, 555, 623-628.	27.8	1,339
90	Microbial Interactions and Interventions in Colorectal Cancer. <i>Microbiology Spectrum</i> , 2017, 5, .	3.0	35
91	Gut microbiome influences efficacy of PD-1-based immunotherapy against epithelial tumors. <i>Science</i> , 2018, 359, 91-97.	12.6	3,689
92	Protective effects of natural and partially degraded konjac glucomannan on <i>Bifidobacteria</i> against antibiotic damage. <i>Carbohydrate Polymers</i> , 2018, 181, 368-375.	10.2	36

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93	The influence of intestinal microbiome on wound healing and infection. <i>Seminars in Colon and Rectal Surgery</i> , 2018, 29, 17-20.	0.3	4
94	Application of microwave-pretreated cephalosporin mycelial dreg (CMD) as soil amendment: Temporal changes in chemical and fluorescent parameters of soil organic matter. <i>Science of the Total Environment</i> , 2018, 621, 417-424.	8.0	24
95	Solar Light Responsive Poly(vinyl alcohol)-Assisted Hydrothermal Synthesis of Immobilized TiO ₂ /Ti Film with the Addition of Peroxymonosulfate for Photocatalytic Degradation of Ciprofloxacin in Aqueous Media: A Mechanistic Approach. <i>Journal of Physical Chemistry C</i> , 2018, 122, 406-421.	3.1	138
96	Antibiotics reduce genetic diversity of core species in the honeybee gut microbiome. <i>Molecular Ecology</i> , 2018, 27, 2057-2066.	3.9	95
97	Human dendritic cells activated with MV130 induce Th1, Th17 and IL-10 responses via RIPK2 and MyD88 signalling pathways. <i>European Journal of Immunology</i> , 2018, 48, 180-193.	2.9	48
98	Mycobacteria, Immunoregulation, and Autoimmunity. , 2018, , 121-154.		1
99	Omics Approaches, Technologies And Applications. , 2018, , .		6
100	Microbiome. , 2018, , 99-128.		0
102	Quantitative metaproteomics of medieval dental calculus reveals individual oral health status. <i>Nature Communications</i> , 2018, 9, 4744.	12.8	63
103	Personalizing the Management of Pneumonia. <i>Clinics in Chest Medicine</i> , 2018, 39, 871-900.	2.1	7
104	Enriching Beneficial Microbial Diversity of Indoor Plants and Their Surrounding Built Environment With Biostimulants. <i>Frontiers in Microbiology</i> , 2018, 9, 2985.	3.5	25
105	Role of the Airway Microbiome in Respiratory Infections and Asthma in Children. <i>Pediatric, Allergy, Immunology, and Pulmonology</i> , 2018, 31, 236-240.	0.8	10
106	The Gut-Microglia Connection: Implications for Central Nervous System Diseases. <i>Frontiers in Immunology</i> , 2018, 9, 2325.	4.8	89
107	The gut microbiota: cause and cure of gut diseases. <i>Medical Journal of Australia</i> , 2018, 209, 312-317.	1.7	10
108	Culture-Negative Early-Onset Neonatal Sepsis – At the Crossroad Between Efficient Sepsis Care and Antimicrobial Stewardship. <i>Frontiers in Pediatrics</i> , 2018, 6, 285.	1.9	151
109	Antibiotics and autoimmune and allergy diseases: Causative factor or treatment?. <i>International Immunopharmacology</i> , 2018, 65, 328-341.	3.8	30
110	Honey bees as models for gut microbiota research. <i>Lab Animal</i> , 2018, 47, 317-325.	0.4	184
111	Impact of Empowering Leadership on Antimicrobial Stewardship: A Single Center Study in a Neonatal and Pediatric Intensive Care Unit and a Literature Review. <i>Frontiers in Pediatrics</i> , 2018, 6, 294.	1.9	21

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112	Microbiome and Colorectal Cancer. <i>Current Colorectal Cancer Reports</i> , 2018, 14, 217-225.	0.5	5
113	Consequences of colonialism: A microbial perspective to contemporary Indigenous health. <i>American Journal of Physical Anthropology</i> , 2018, 167, 423-437.	2.1	12
114	Microbial Interactions and Interventions in Colorectal Cancer. , 2018, , 99-130.		1
115	Risk factors for lung disease progression in children with cystic fibrosis. <i>European Respiratory Journal</i> , 2018, 51, 1702509.	6.7	15
116	Antibiotics in early life: dysbiosis and the damage done. <i>FEMS Microbiology Reviews</i> , 2018, 42, 489-499.	8.6	152
117	Early-life antibiotics attenuate regulatory T cell generation and increase the severity of murine house dust mite-induced asthma. <i>Pediatric Research</i> , 2018, 84, 426-434.	2.3	23
118	Aspects of Gut Microbiota and Immune System Interactions in Infectious Diseases, Immunopathology, and Cancer. <i>Frontiers in Immunology</i> , 2018, 9, 1830.	4.8	371
119	Bacterial-Host Interactions: Physiology and Pathophysiology of Respiratory Infection. <i>Physiological Reviews</i> , 2018, 98, 781-811.	28.8	69
120	Gut-Brain Psychology: Rethinking Psychology From the Microbiotaâ€™Gutâ€™Brain Axis. <i>Frontiers in Integrative Neuroscience</i> , 2018, 12, 33.	2.1	169
121	Microbiome and Diseases: Pathogen Infection. , 2018, , 209-230.		0
122	Low-Level Antimicrobials in the Medicinal Leech Select for Resistant Pathogens That Spread to Patients. <i>MBio</i> , 2018, 9, .	4.1	25
123	Considering gut microbiota disturbance in the management of <i>Helicobacter pylori</i> infection. <i>Expert Review of Gastroenterology and Hepatology</i> , 2018, 12, 899-906.	3.0	12
124	The pulmonary microbiome: challenges of a new paradigm. <i>Jornal Brasileiro De Pneumologia</i> , 2018, 44, 424-432.	0.7	14
125	Ecological Restoration of Antibiotic-Disturbed Gastrointestinal Microbiota in Foregut and Hindgut of Cows. <i>Frontiers in Cellular and Infection Microbiology</i> , 2018, 8, 79.	3.9	31
126	Urinary Virome Perturbations in Kidney Transplantation. <i>Frontiers in Medicine</i> , 2018, 5, 72.	2.6	12
127	Personal microbiome analysis improves student engagement and interest in Immunology, Molecular Biology, and Genomics undergraduate courses. <i>PLoS ONE</i> , 2018, 13, e0193696.	2.5	20
128	Structure-based synergistic mechanism for the degradation of typical antibiotics in electro-Fenton process using Pdâ€™Fe3O4 model catalyst: Theoretical and experimental study. <i>Journal of Catalysis</i> , 2018, 365, 184-194.	6.2	35
129	IVTH BRAZILIAN CONSENSUS CONFERENCE ON HELICOBACTER PYLORI INFECTION. <i>Arquivos De Gastroenterologia</i> , 2018, 55, 97-121.	0.8	47

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130	Humans as holobionts: implications for prevention and therapy. <i>Microbiome</i> , 2018, 6, 81.	11.1	114
131	Dysbiotic drift and biopsychosocial medicine: how the microbiome links personal, public and planetary health. <i>BioPsychoSocial Medicine</i> , 2018, 12, 7.	2.1	40
132	Role of the gut microbiota in nutrition and health. <i>BMJ: British Medical Journal</i> , 2018, 361, k2179.	2.3	1,228
133	S-Adenosylmethionine Metabolism and Aging. , 2018, , 59-93.		3
134	The influence of the intestinal microbiome on vaccine responses. <i>Vaccine</i> , 2018, 36, 4433-4439.	3.8	100
135	Genetic and Environmental Influences on Gut Microbiota. , 2018, , 91-104.		0
136	Susceptibility to antibiotics in isolates of <i>Lactobacillus plantarum</i> RAPD type Lp299v, harvested from antibiotic treated, critically ill patients after administration of probiotics. <i>MicrobiologyOpen</i> , 2019, 8, e00642.	3.0	8
137	The Microbiota in Immunity and Inflammation. , 2019, , 207-219.e1.		2
138	Longitudinal Comparison of Bacterial Diversity and Antibiotic Resistance Genes in New York City Sewage. <i>MSystems</i> , 2019, 4, .	3.8	19
139	Antibiotic use and the risk of rheumatoid arthritis: a population-based case-control study. <i>BMC Medicine</i> , 2019, 17, 154.	5.5	23
140	Computer-Aided Design of Mastoparan-like Peptides Enables the Generation of Nontoxic Variants with Extended Antibacterial Properties. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 8140-8151.	6.4	19
141	Use of Antibiotics and Risk of Cancer: A Systematic Review and Meta-Analysis of Observational Studies. <i>Cancers</i> , 2019, 11, 1174.	3.7	71
142	The long-term consequences of antibiotic therapy: Role of colonic short-chain fatty acids (SCFA) system and intestinal barrier integrity. <i>PLoS ONE</i> , 2019, 14, e0220642.	2.5	70
143	Gut Microbiome: Profound Implications for Diet and Disease. <i>Nutrients</i> , 2019, 11, 1613.	4.1	615
144	Interactions Between Gut Microbiota and Acute Childhood Leukemia. <i>Frontiers in Microbiology</i> , 2019, 10, 1300.	3.5	26
145	Shifting Climates, Foods, and Diseases: The Human Microbiome through Evolution. <i>BioEssays</i> , 2019, 41, e1900034.	2.5	21
146	Long-term changes of gut microbiota, antibiotic resistance, and metabolic parameters after <i>Helicobacter pylori</i> eradication: a multicentre, open-label, randomised trial. <i>Lancet Infectious Diseases</i> , 2019, 19, 1109-1120.	9.1	127
147	Effects of Antibiotics on Microbial Communities Responsible for Perchlorate Degradation. <i>Water, Air, and Soil Pollution</i> , 2019, 230, 1.	2.4	6

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148	Exact variance component tests for longitudinal microbiome studies. <i>Genetic Epidemiology</i> , 2019, 43, 250-262.	1.3	5
149	Vulnerability of the industrialized microbiota. <i>Science</i> , 2019, 366, .	12.6	177
150	Antibiotic-Induced Perturbations Are Manifested in the Dominant Intestinal Bacterial Phyla of Atlantic Salmon. <i>Microorganisms</i> , 2019, 7, 233.	3.6	41
151	Effects of anti- <i>H. pylori</i> triple therapy and a probiotic complex on intestinal microbiota in duodenal ulcer. <i>Scientific Reports</i> , 2019, 9, 12874.	3.3	29
152	Recent Progress and Novel Perspectives of Electrochemical Sensor for Cephalosporins Detection. <i>International Journal of Electrochemical Science</i> , 2019, 14, 8639-8649.	1.3	8
153	Non-antibiotic Small-Molecule Regulation of DHFR-Based Destabilizing Domains In Vivo. <i>Molecular Therapy - Methods and Clinical Development</i> , 2019, 15, 27-39.	4.1	13
154	Impact of antimicrobial therapy on the gut microbiome. <i>Journal of Antimicrobial Chemotherapy</i> , 2019, 74, i6-i15.	3.0	145
155	Gut microbiome and cancer immunotherapy. <i>Cancer Letters</i> , 2019, 447, 41-47.	7.2	159
156	Design, synthesis and anti-bacterial studies of piperazine derivatives against drug resistant bacteria. <i>European Journal of Medicinal Chemistry</i> , 2019, 166, 224-231.	5.5	31
157	Oral neonatal antibiotic treatment perturbs gut microbiota and aggravates central nervous system autoimmunity in Dark Agouti rats. <i>Scientific Reports</i> , 2019, 9, 918.	3.3	29
158	Identification, Characterization, and Formulation of a Novel Carbapenemase Intended to Prevent Antibiotic-Mediated Gut Dysbiosis. <i>Microorganisms</i> , 2019, 7, 22.	3.6	3
159	Perioperative Antibiotic Use in Cutaneous Surgery. <i>Dermatologic Clinics</i> , 2019, 37, 329-340.	1.7	17
160	Modified montmorillonite nanosheets as a nanocarrier with smart pH-responsive control on the antimicrobial activity of tetracycline upon release. <i>Applied Clay Science</i> , 2019, 178, 105135.	5.2	20
161	Repurposing azithromycin for neuroprotection in neonates. <i>Pediatric Research</i> , 2019, 86, 423-424.	2.3	1
162	Hybrid materials for heterogeneous photocatalytic degradation of antibiotics. <i>Coordination Chemistry Reviews</i> , 2019, 395, 63-85.	18.8	141
163	Chronic antibiotic use during adulthood and weight change in the Sister Study. <i>PLoS ONE</i> , 2019, 14, e0216959.	2.5	9
164	The ancestral and industrialized gut microbiota and implications for human health. <i>Nature Reviews Microbiology</i> , 2019, 17, 383-390.	28.6	255
165	Microbiota Alterations in Alzheimer's Disease: Involvement of the Kynurenine Pathway and Inflammation. <i>Neurotoxicity Research</i> , 2019, 36, 424-436.	2.7	32

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166	Exposure of the Host-Associated Microbiome to Nutrient-Rich Conditions May Lead to Dysbiosis and Disease Development—an Evolutionary Perspective. <i>MBio</i> , 2019, 10, .	4.1	19
168	Silica-Coated Gold—Silver Nanocages as Photothermal Antibacterial Agents for Combined Anti-Infective Therapy. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 17177-17183.	8.0	126
169	Microbial evolutionary medicine: from theory to clinical practice. <i>Lancet Infectious Diseases</i> , The, 2019, 19, e273-e283.	9.1	11
170	Gut Reactions: Breaking Down Xenobiotic—Microbiome Interactions. <i>Pharmacological Reviews</i> , 2019, 71, 198-224.	16.0	211
171	A Mouse Model to Assess Innate Immune Response to &em>Staphylococcus aureus&/em> Infection. <i>Journal of Visualized Experiments</i> , 2019, , .	0.3	9
172	Removal of metronidazole and amoxicillin mixtures by UV/TiO ₂ photocatalysis: an insight into degradation pathways and performance improvement. <i>Environmental Science and Pollution Research</i> , 2019, 26, 11846-11855.	5.3	33
173	Shape of gastrointestinal immunity with non-genetically modified <i>Lactococcus lactis</i> particles requires commensal bacteria and myeloid cells-derived TGF- β 1. <i>Applied Microbiology and Biotechnology</i> , 2019, 103, 3847-3861.	3.6	5
174	Current understanding of the role of gut dysbiosis in type 1 diabetes. <i>Journal of Diabetes</i> , 2019, 11, 632-644.	1.8	55
175	Microbiome programming of brain development: implications for neurodevelopmental disorders. <i>Developmental Medicine and Child Neurology</i> , 2019, 61, 744-749.	2.1	25
176	Antibiotic resistance gene reservoir in live poultry markets. <i>Journal of Infection</i> , 2019, 78, 445-453.	3.3	40
177	Gut microbiome patterns correlate with higher postoperative complication rates after pancreatic surgery. <i>BMC Microbiology</i> , 2019, 19, 42.	3.3	40
178	Man-made microbial resistances in built environments. <i>Nature Communications</i> , 2019, 10, 968.	12.8	128
179	Loading ceftriaxone, vancomycin, and <i>Bifidobacteria bifidum</i> TMC3115 to neonatal mice could differently and consequently affect intestinal microbiota and immunity in adulthood. <i>Scientific Reports</i> , 2019, 9, 3254.	3.3	27
180	Oral Metallo-Beta-Lactamase Protects the Gut Microbiome From Carbapenem-Mediated Damage and Reduces Propagation of Antibiotic Resistance in Pigs. <i>Frontiers in Microbiology</i> , 2019, 10, 101.	3.5	31
181	Chapter 18 Cross-feeding during human colon fermentation. , 2019, , 313-338.		1
182	Prevalence of multidrug-, extensive drug-, and pandrug-resistant commensal <i>Escherichia coli</i> isolated from healthy humans in community settings in low- and middle-income countries: a systematic review and meta-analysis. <i>Global Health Action</i> , 2019, 12, 1815272.	1.9	19
183	Azithromycin Affords Neuroprotection in Rat Undergone Transient Focal Cerebral Ischemia. <i>Frontiers in Neuroscience</i> , 2019, 13, 1256.	2.8	15
184	Bayesian hierarchical negative binomial models for multivariable analyses with applications to human microbiome count data. <i>PLoS ONE</i> , 2019, 14, e0220961.	2.5	5

#	ARTICLE	IF	CITATIONS
185	<p>Antimicrobial Resistance: Implications and Costs</p>. Infection and Drug Resistance, 2019, Volume 12, 3903-3910.	2.7	878
186	Microbial transmission from mother to child: improving infant intestinal microbiota development by identifying the obstacles. Critical Reviews in Microbiology, 2019, 45, 613-648.	6.1	30
188	Disruption of the Gut Microbiome Increases the Risk of Periprosthetic Joint Infection in Mice. Clinical Orthopaedics and Related Research, 2019, 477, 2588-2598.	1.5	25
189	Rethinking antimicrobial stewardship paradigms in the context of the gut microbiome. JAC-Antimicrobial Resistance, 2019, 1, dlz015.	2.1	10
190	Longitudinal Analysis of Infant Stool Bacteria Communities Before and After Acute Febrile Malaria and Artemether-Lumefantrine Treatment. Journal of Infectious Diseases, 2019, 220, 687-698.	4.0	16
191	The antibacterial effect of potassium-sodium niobate ceramics based on controlling piezoelectric properties. Colloids and Surfaces B: Biointerfaces, 2019, 175, 463-468.	5.0	52
192	Antibiotic resistance genes allied to the pelagic sediment microbiome in the Gulf of Khambhat and Arabian Sea. Science of the Total Environment, 2019, 653, 446-454.	8.0	29
193	Human health risk assessment of antibiotic resistance associated with antibiotic residues in the environment: A review. Environmental Research, 2019, 169, 483-493.	7.5	694
195	Cancer and Infection. , 2019, , 97-114.		0
196	Long-term impact of oral vancomycin, ciprofloxacin and metronidazole on the gut microbiota in healthy humans. Journal of Antimicrobial Chemotherapy, 2019, 74, 782-786.	3.0	78
197	Antibiotic Perturbation of Gut Microbiota Dysregulates Osteoimmune Cross Talk in Postpubertal Skeletal Development. American Journal of Pathology, 2019, 189, 370-390.	3.8	39
198	The impact of early-life sub-therapeutic antibiotic treatment (STAT) on excessive weight is robust despite transfer of intestinal microbes. ISME Journal, 2019, 13, 1280-1292.	9.8	47
199	Insights into the role of bacteria in vitamin A biosynthesis: Future research opportunities. Critical Reviews in Food Science and Nutrition, 2019, 59, 3211-3226.	10.3	25
200	Antibiotics as both friends and foes of the human gut microbiome: The microbial community approach. Drug Development Research, 2019, 80, 86-97.	2.9	43
201	The effect of bioelectrochemical systems on antibiotics removal and antibiotic resistance genes: A review. Chemical Engineering Journal, 2019, 358, 1421-1437.	12.7	230
202	Planetary Health: From the Wellspring of Holistic Medicine to Personal and Public Health Imperative. Explore: the Journal of Science and Healing, 2019, 15, 98-106.	1.0	55
203	Antibiotic-induced Disruption of Intestinal Microbiota Contributes to Failure of Vertical Sleeve Gastrectomy. Annals of Surgery, 2019, 269, 1092-1100.	4.2	29
204	Molecular profiling of multidrug-resistant river water isolates: insights into resistance mechanism and potential inhibitors. Environmental Science and Pollution Research, 2020, 27, 27279-27292.	5.3	11

#	ARTICLE	IF	CITATIONS
205	Antibiotic exposure perturbs the bacterial community in the small brown planthopper <i>Laodelphax striatellus</i>. <i>Insect Science</i> , 2020, 27, 895-907.	3.0	28
206	Ontology, difference, and the antimicrobial resistance timeline. <i>Futures</i> , 2020, 115, 102467.	2.5	0
207	Intestinal microbiome analysis demonstrates azithromycin post-treatment effects improve when combined with lactulose. <i>World Journal of Pediatrics</i> , 2020, 16, 168-176.	1.8	13
208	Preparation, characterization and long-term antibacterial activity of nisin anchored magnetic cellulose beads. <i>Cellulose</i> , 2020, 27, 357-367.	4.9	14
209	Use of Antimicrobial Agents in Hospitalized Children for Noninfectious Indications. <i>Journal of the Pediatric Infectious Diseases Society</i> , 2020, 9, 490-493.	1.3	2
210	Finding intestinal fortitude: Integrating the microbiome into a holistic view of depression mechanisms, treatment, and resilience. <i>Neurobiology of Disease</i> , 2020, 135, 104578.	4.4	38
211	Antibiotics Drive Microbial Imbalance and Vitiligo Development in Mice. <i>Journal of Investigative Dermatology</i> , 2020, 140, 676-687.e6.	0.7	38
212	Gastrointestinal Tract and Hepatobiliary Duct System. , 2020, , 465-483.		0
213	Polyethyleneimine mediated interaction for highly sensitive, magnetically assisted detection of tetracycline hydrochloride. <i>Applied Surface Science</i> , 2020, 505, 144543.	6.1	16
214	Host genotype and amoxicillin administration affect the incidence of diarrhoea and faecal microbiota of weaned piglets during a natural multiresistant ETEC infection. <i>Journal of Animal Breeding and Genetics</i> , 2020, 137, 60-72.	2.0	12
215	Attitudes of High Versus Low Antibiotic Prescribers in the Management of Upper Respiratory Tract Infections: a Mixed Methods Study. <i>Journal of General Internal Medicine</i> , 2020, 35, 1182-1188.	2.6	19
216	Minimizing the residual antimicrobial activity of tetracycline after adsorption into the montmorillonite: Effect of organic modification. <i>Environmental Research</i> , 2020, 182, 109056.	7.5	38
217	Antibiotics traces in the aquatic environment: persistence and adverse environmental impact. <i>Current Opinion in Environmental Science and Health</i> , 2020, 13, 68-74.	4.1	179
218	Investigating the demographic history of Japan using ancient oral microbiota. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2020, 375, 20190578.	4.0	19
219	Gut microbiota and old age: Modulating factors and interventions for healthy longevity. <i>Experimental Gerontology</i> , 2020, 141, 111095.	2.8	61
220	Antibiotic-induced changes in the human gut microbiota for the most commonly prescribed antibiotics in primary care in the UK: a systematic review. <i>BMJ Open</i> , 2020, 10, e035677.	1.9	111
221	Regulation of wheat germ polysaccharides in the immune response of mice from newborn to adulthood associated with intestinal microbiota. <i>Food and Function</i> , 2020, 11, 9662-9674.	4.6	9
222	Association of class number, cumulative exposure, and earlier initiation of antibiotics during the first two-years of life with subsequent childhood obesity. <i>Metabolism: Clinical and Experimental</i> , 2020, 112, 154348.	3.4	17

#	ARTICLE	IF	CITATIONS
223	Gut microbiota regulate tumor metastasis via circRNA/miRNA networks. <i>Gut Microbes</i> , 2020, 12, 1788891.	9.8	56
224	A new coumarin compound DCH combats methicillin-resistant <i>Staphylococcus aureus</i> biofilm by targeting arginine repressor. <i>Science Advances</i> , 2020, 6, eaay9597.	10.3	40
225	Sublethal Levels of Antibiotics Promote Bacterial Persistence in Epithelial Cells. <i>Advanced Science</i> , 2020, 7, 1900840.	11.2	36
226	The role of gut microbiota in cancer treatment: friend or foe?. <i>Gut</i> , 2020, 69, 1867-1876.	12.1	189
227	Effects of Antibiotic Treatment on Gut Microbiota and How to Overcome Its Negative Impacts on Human Health. <i>ACS Infectious Diseases</i> , 2020, 6, 2544-2559.	3.8	57
228	Preparation and characterization of molecularly imprinted polymers based on β -cyclodextrin-stabilized Pickering emulsion polymerization for selective recognition of erythromycin from river water and milk. <i>Journal of Separation Science</i> , 2020, 43, 3683-3690.	2.5	10
229	Do Antibiotics Reduce the Incidence of Infections After Percutaneous Endoscopic Gastrostomy Placement in Children?. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2020, 71, 23-28.	1.8	6
230	Enrichment of antibiotics in an inland lake water. <i>Environmental Research</i> , 2020, 190, 110029.	7.5	20
231	Mass eradication of <i>Helicobacter pylori</i> to reduce gastric cancer incidence and mortality: a long-term cohort study on Matsu Islands. <i>Gut</i> , 2021, 70, gutjnl-2020-322200.	12.1	91
233	Physician and patient perceptions of fecal microbiota transplant for recurrent or refractory <i>Clostridioides difficile</i> in the first 6 years of a central stool bank. <i>JGH Open</i> , 2020, 4, 950-957.	1.6	8
234	Antibiotics during childhood and development of appendicitis: a nationwide cohort study. <i>Alimentary Pharmacology and Therapeutics</i> , 2021, 53, 87-93.	3.7	6
235	Microbiome-Aware Ecotoxicology of Organisms: Relevance, Pitfalls, and Challenges. <i>Frontiers in Public Health</i> , 2020, 8, 407.	2.7	31
236	Rates and determinants of antibiotics and probiotics prescription to children in Asia-Pacific countries. <i>Beneficial Microbes</i> , 2020, 11, 329-338.	2.4	7
237	Antibiotics for paediatric community-acquired pneumonia in resource-constrained settings. <i>European Respiratory Journal</i> , 2020, 56, 2002773.	6.7	1
238	Portal Venous Flow Is Increased by Jejunal but Not Colonic Hydrogen Sulfide in a Nitric Oxide-Dependent Fashion in Rats. <i>Digestive Diseases and Sciences</i> , 2021, 66, 2661-2668.	2.3	1
239	Can breastfeeding protect against antimicrobial resistance?. <i>BMC Medicine</i> , 2020, 18, 392.	5.5	9
240	Involvement of Mesenchymal Stem Cells in Oral Mucosal Bacterial Immunotherapy. <i>Frontiers in Immunology</i> , 2020, 11, 567391.	4.8	10
241	Economic and Behavioral Influencers of Vaccination and Antimicrobial Use. <i>Frontiers in Public Health</i> , 2020, 8, 614113.	2.7	33

#	ARTICLE	IF	CITATIONS
242	Completing the Pictureâ€”Capturing the Resistome in Antibiotic Clinical Trials. <i>Clinical Infectious Diseases</i> , 2021, 72, e1122-e1129.	5.8	2
243	Electrochemical oxidative C(sp ³)â€”H azolation of lactams under mild conditions. <i>Green Chemistry</i> , 2020, 22, 3742-3747.	9.0	47
244	The role of the microbiome in the neurobiology of social behaviour. <i>Biological Reviews</i> , 2020, 95, 1131-1166.	10.4	72
245	Repurposing Fenamic Acid Drugs To Combat Multidrug-Resistant <i>Neisseria gonorrhoeae</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2020, 64, .	3.2	20
246	<i>Lycium barbarum</i> relieves gut microbiota dysbiosis and improves colonic barrier function in mice following antibiotic perturbation. <i>Journal of Functional Foods</i> , 2020, 71, 103973.	3.4	16
247	Mesoporous Silica Supported Silverâ€”Bismuth Nanoparticles as Photothermal Agents for Skin Infection Synergistic Antibacterial Therapy. <i>Small</i> , 2020, 16, e2000436.	10.0	122
248	Fucoidan isolated from <i>Ascophyllum nodosum</i> alleviates gut microbiota dysbiosis and colonic inflammation in antibiotic-treated mice. <i>Food and Function</i> , 2020, 11, 5595-5606.	4.6	36
249	Early Use of Antibiotics Is Associated with a Lower Incidence of Necrotizing Enterocolitis in Preterm, Very Low Birth Weight Infants: The NEOMUNE-NeoNutriNet Cohort Study. <i>Journal of Pediatrics</i> , 2020, 227, 128-134.e2.	1.8	36
250	Amoxicillin Increased Functional Pathway Genes and Beta-Lactam Resistance Genes by Pathogens Bloomed in Intestinal Microbiota Using a Simulator of the Human Intestinal Microbial Ecosystem. <i>Frontiers in Microbiology</i> , 2020, 11, 1213.	3.5	13
251	Effects of compound Caoshi silkworm granules on stable COPD patients and their relationship with gut microbiota. <i>Medicine (United States)</i> , 2020, 99, e20511.	1.0	12
252	Environmental remodeling of human gut microbiota and antibiotic resistome in livestock farms. <i>Nature Communications</i> , 2020, 11, 1427.	12.8	133
253	Association between antibiotic use and the risk of rheumatoid arthritis. <i>Medicine (United States)</i> , 2020, 99, e19155.	1.0	1
254	Engineered Polymersomes for the Treatment of Fish Odor Syndrome: A First Randomized Double Blind Olfactory Study. <i>Advanced Science</i> , 2020, 7, 1903697.	11.2	9
255	Comparing febrile children presenting on and off antibiotics to the emergency department: a retrospective cohort study. <i>BMC Pediatrics</i> , 2020, 20, 117.	1.7	0
256	Efficient detection and assessment of human exposure to trace antibiotic residues in drinking water. <i>Water Research</i> , 2020, 175, 115699.	11.3	112
257	Potential effects of antibioticâ€”induced gut microbiome alteration on bloodâ€”brain barrier permeability compromise in rhesus monkeys. <i>Annals of the New York Academy of Sciences</i> , 2020, 1470, 14-24.	3.8	28
258	Treatments of trimethylaminuria: where we are and where we might be heading. <i>Drug Discovery Today</i> , 2020, 25, 1710-1717.	6.4	24
259	Comparison of the Gut Microbiota Between Pulsatilla Decoction and Levofloxacin Hydrochloride Therapy on <i>Escherichia coli</i> Infection. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020, 10, 319.	3.9	11

#	ARTICLE	IF	CITATIONS
260	Metagenome-wide association analysis identifies microbial determinants of post-antibiotic ecological recovery in the gut. <i>Nature Ecology and Evolution</i> , 2020, 4, 1256-1267.	7.8	98
261	Antibiotic Administration Routes and Oral Exposure to Antibiotic Resistant Bacteria as Key Drivers for Gut Microbiota Disruption and Resistome in Poultry. <i>Frontiers in Microbiology</i> , 2020, 11, 1319.	3.5	25
262	Ammonia uptake by transmembrane pH gradient poly(isoprene)-block-poly(ethylene glycol) polymersomes. <i>Soft Matter</i> , 2020, 16, 2725-2735.	2.7	2
263	Dietary supplementation with spray-dried porcine plasma has prebiotic effects on gut microbiota in mice. <i>Scientific Reports</i> , 2020, 10, 2926.	3.3	21
264	Applying concepts of life course theory and life course epidemiology to the study of bladder health and lower urinary tract symptoms among girls and women. <i>Neurourology and Urodynamics</i> , 2020, 39, 1185-1202.	1.5	13
265	How do I identify pathologic organisms in the 21st century?., 2020, , 299-306.e1.		0
266	Treatment of <i>Helicobacter pylori</i> infection and its long-term impacts on gut microbiota. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2020, 35, 1107-1116.	2.8	19
267	Integrating the Ecosystem Services Framework to Define Dysbiosis of the Breastfed Infant Gut: The Role of <i>B. infantis</i> and Human Milk Oligosaccharides. <i>Frontiers in Nutrition</i> , 2020, 7, 33.	3.7	39
268	Antibiotics and Antimicrobial Resistance Genes. <i>Emerging Contaminants and Associated Treatment Technologies</i> , 2020, , .	0.7	7
269	NSCLC Immunotherapy Efficacy and Antibiotic Use: A Systematic Review and Meta-Analysis. <i>Journal of Thoracic Oncology</i> , 2020, 15, 1147-1159.	1.1	88
270	Applying microbial ecology to antimicrobial discovery. <i>Current Opinion in Microbiology</i> , 2020, 57, 7-12.	5.1	4
271	Role of Microbiome and Antibiotics in Autoimmune Diseases. <i>Nutrition in Clinical Practice</i> , 2020, 35, 406-416.	2.4	35
272	NOD2 Influences Trajectories of Intestinal Microbiota Recovery After Antibiotic Perturbation. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2020, 10, 365-389.	4.5	19
273	Fluorogenic Probes/Inhibitors of β -Lactamase and their Applications in Drug-Resistant Bacteria. <i>Angewandte Chemie</i> , 2021, 133, 24-40.	2.0	3
274	Fluorogenic Probes/Inhibitors of β -Lactamase and their Applications in Drug-Resistant Bacteria. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 24-40.	13.8	38
275	Microbiomes as companion species: an exploration of dis- and re-entanglements with the microbial self. <i>Social and Cultural Geography</i> , 2021, 22, 357-375.	2.3	10
276	Gastrointestinal Surgery for Inflammatory Bowel Disease Persistently Lowers Microbiome and Metabolome Diversity. <i>Inflammatory Bowel Diseases</i> , 2021, 27, 603-616.	1.9	25
277	Musculoskeletal microbiology: The utility of the microbiome in orthopedics. <i>Journal of Orthopaedic Research</i> , 2021, 39, 251-257.	2.3	7

#	ARTICLE	IF	CITATIONS
278	The Effect of Probiotics Supplementation on Gut Microbiota After Helicobacter pylori Eradication: A Multicenter Randomized Controlled Trial. <i>Infectious Diseases and Therapy</i> , 2021, 10, 317-333.	4.0	33
279	Association of Infant Antibiotic Exposure With Childhood Health Outcomes. <i>Mayo Clinic Proceedings</i> , 2021, 96, 66-77.	3.0	110
280	A blood circulation-prolonging peptide anchored biomimetic phage-platelet hybrid nanoparticle system for prolonged blood circulation and optimized anti-bacterial performance. <i>Theranostics</i> , 2021, 11, 2278-2296.	10.0	14
281	Effects of the prebiotic inulin-type fructans on post-antibiotic reconstitution of the gut microbiome. <i>Journal of Applied Microbiology</i> , 2021, 130, 634-649.	3.1	4
282	Impacts of ceftriaxone exposure during pregnancy on maternal gut and placental microbiota and its influence on maternal and offspring immunity in mice. <i>Experimental Animals</i> , 2021, 70, 203-217.	1.1	3
283	Curbing gastrointestinal infections by defensin fragment modifications without harming commensal microbiota. <i>Communications Biology</i> , 2021, 4, 47.	4.4	4
284	Current Evidence on the Role of the Gut Microbiome in ADHD Pathophysiology and Therapeutic Implications. <i>Nutrients</i> , 2021, 13, 249.	4.1	56
285	Concurrent Prebiotic Intake Reverses Insulin Resistance Induced by Early-Life Pulsed Antibiotic in Rats. <i>Biomedicines</i> , 2021, 9, 66.	3.2	5
286	Human Milk Oligosaccharides and Microbiome Homeostasis. , 2021, , 372-388.		0
287	Pathogen-specific antimicrobials engineered de novo through membrane-protein biomimicry. <i>Nature Biomedical Engineering</i> , 2021, 5, 467-480.	22.5	17
288	Rheumatological Manifestations of GI Disorders. , 2021, , 2183-2199.		0
289	Exposure to One Antibiotic Leads to Acquisition of Resistance to Another Antibiotic via Quorum Sensing Mechanisms. <i>Frontiers in Microbiology</i> , 2020, 11, 580466.	3.5	3
290	What Is Known about Theragnostic Strategies in Colorectal Cancer. <i>Biomedicines</i> , 2021, 9, 140.	3.2	8
292	Impact of an Antibiotic Stewardship Program on the Incidence of Resistant Escherichia coli: A Quasi-Experimental Study. <i>Antibiotics</i> , 2021, 10, 179.	3.7	3
293	Disentangling the Association of Corn Root Mycobiome With Plant Productivity and the Importance of Soil Physicochemical Balance in Shaping Their Relationship. <i>Frontiers in Sustainable Food Systems</i> , 2021, 5, .	3.9	7
294	Negatively controlled, randomized clinical trial comparing different antimicrobial interventions for treatment of clinical mastitis caused by gram-positive pathogens. <i>Journal of Dairy Science</i> , 2021, 104, 3364-3385.	3.4	6
295	Characterization of Apis mellifera Gastrointestinal Microbiota and Lactic Acid Bacteria for Honeybee Protection—A Review. <i>Cells</i> , 2021, 10, 701.	4.1	55
296	Human-associated microbiota suppress invading bacteria even under disruption by antibiotics. <i>ISME Journal</i> , 2021, 15, 2809-2812.	9.8	12

#	ARTICLE	IF	CITATIONS
297	Treatment of Refractory <i>Helicobacter pylori</i> Infection-Tailored or Empirical Therapy. <i>Gut and Liver</i> , 2022, 16, 8-18.	2.9	13
298	A Hyaluronic Acid Hydrogel Loaded with Gentamicin and Vancomycin Successfully Eradicates Chronic Methicillin-Resistant <i>Staphylococcus aureus</i> Orthopedic Infection in a Sheep Model. <i>Antimicrobial Agents and Chemotherapy</i> , 2021, 65, .	3.2	27
299	Simultaneous delivery of several antimicrobial drugs from multi-compartment glycerol-silicone membranes. <i>Journal of Applied Polymer Science</i> , 2021, 138, 50780.	2.6	0
300	Non-responder phenotype reveals apparent microbiome-wide antibiotic tolerance in the murine gut. <i>Communications Biology</i> , 2021, 4, 316.	4.4	2
301	Postoperative Complications Are Associated with Long-Term Changes in the Gut Microbiota Following Colorectal Cancer Surgery. <i>Life</i> , 2021, 11, 246.	2.4	8
302	Changes in public knowledge and perceptions about antibiotic use and resistance in Jordan: a cross-sectional eight-year comparative study. <i>BMC Public Health</i> , 2021, 21, 750.	2.9	8
303	Gut microbiota through an evolutionary lens. <i>Science</i> , 2021, 372, 462-463.	12.6	29
304	Antibiotics: Conventional Therapy and Natural Compounds with Antibacterial Activity—A Pharmaco-Toxicological Screening. <i>Antibiotics</i> , 2021, 10, 401.	3.7	45
306	Characterization of oral and cloacal microbial communities in cold-stunned Kemp's ridley sea turtles (<i>Lepidochelys kempii</i>) during the time course of rehabilitation. <i>PLoS ONE</i> , 2021, 16, e0252086.	2.5	12
307	Detection of Antimicrobial Residues in Poultry Litter: Monitoring a Risk through a Selective and Sensitive HPLC-MS/MS Method. <i>Animals</i> , 2021, 11, 1399.	2.3	10
308	10 ^Å K: a large-scale prospective longitudinal study in Israel. <i>European Journal of Epidemiology</i> , 2021, 36, 1187-1194.	5.7	9
309	Microbial Contamination in Hospital Environment Has the Potential to Colonize Preterm Newborns' Nasal Cavities. <i>Pathogens</i> , 2021, 10, 615.	2.8	16
310	A peptidoglycan storm caused by β -lactam antibiotic's action on host microbiota drives <i>Candida albicans</i> infection. <i>Nature Communications</i> , 2021, 12, 2560.	12.8	42
311	Perinatal exposure to tetracycline contributes to lasting developmental effects on offspring. <i>Animal Microbiome</i> , 2021, 3, 37.	3.8	6
312	The Rhinobiome of Exacerbated Wheezers and Asthmatics: Insights From a German Pediatric Exacerbation Network. <i>Frontiers in Allergy</i> , 2021, 2, 667562.	2.8	7
313	Assessing the effects of common topical exposures on skin bacteria associated with atopic dermatitis. <i>Skin Health and Disease</i> , 2021, 1, e41.	1.5	5
314	Targeted Therapeutic Strategies in the Battle Against Pathogenic Bacteria. <i>Frontiers in Pharmacology</i> , 2021, 12, 673239.	3.5	19
315	<i>Enterococcus faecium</i> PNC01 isolated from the intestinal mucosa of chicken as an alternative for antibiotics to reduce feed conversion rate in broiler chickens. <i>Microbial Cell Factories</i> , 2021, 20, 122.	4.0	15

#	ARTICLE	IF	CITATIONS
316	Oxytetracycline Adsorption from Aqueous Solutions on Commercial and High-Temperature Modified Activated Carbons. <i>Energies</i> , 2021, 14, 3481.	3.1	15
317	Antibiotic resistance: still a cause of concern?. <i>OTA International the Open Access Journal of Orthopaedic Trauma</i> , 2021, 4, e104.	1.0	2
318	Outcomes of Immune Checkpoint Inhibitor-related Diarrhea or Colitis in Cancer Patients With Superimposed Gastrointestinal Infections. <i>American Journal of Clinical Oncology: Cancer Clinical Trials</i> , 2021, 44, 402-408.	1.3	7
319	Antibiotic use and colorectal neoplasia: a systematic review and meta-analysis. <i>BMJ Open Gastroenterology</i> , 2021, 8, e000601.	2.7	14
320	Intestinal Microbiota in Common Chronic Inflammatory Disorders Affecting Children. <i>Frontiers in Immunology</i> , 2021, 12, 642166.	4.8	15
321	The human gut microbiome and health inequities. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	82
322	The relationship between gut microbiota and behavior. <i>Psychiatrie Pro Praxi</i> , 2021, 22, 89-93.	0.1	0
323	Association of Adverse Events With Antibiotic Treatment for Urinary Tract Infection. <i>Clinical Infectious Diseases</i> , 2022, 74, 1408-1418.	5.8	12
324	Mitochondria and Antibiotics: For Good or for Evil?. <i>Biomolecules</i> , 2021, 11, 1050.	4.0	22
325	Role of prebiotics in enhancing the function of next-generation probiotics in gut microbiota. <i>Critical Reviews in Food Science and Nutrition</i> , 2023, 63, 1037-1054.	10.3	27
326	Microbiome dysbiosis and epigenetic modulations in lung cancer: From pathogenesis to therapy. <i>Seminars in Cancer Biology</i> , 2022, 86, 732-742.	9.6	23
327	Gut Microbiota in Cancer Immune Response and Immunotherapy. <i>Trends in Cancer</i> , 2021, 7, 647-660.	7.4	136
328	Graphitic carbon nitride-based materials for photocatalytic antibacterial application. <i>Materials Science and Engineering Reports</i> , 2021, 145, 100610.	31.8	145
329	Field evaluation of the gut microbiome composition of pre-school and school-aged children in Tha Song Yang, Thailand, following oral MDA for STH infections. <i>PLoS Neglected Tropical Diseases</i> , 2021, 15, e0009597.	3.0	9
330	Disentangling soil microbiome functions by perturbation. <i>Environmental Microbiology Reports</i> , 2021, 13, 582-590.	2.4	16
331	Bioassay- and QSAR-based screening of toxic transformation products and their formation under chlorination treatment on levofloxacin. <i>Journal of Hazardous Materials</i> , 2021, 414, 125495.	12.4	14
332	“Gut health” and the microbiome in the popular press: a content analysis. <i>BMJ Open</i> , 2021, 11, e052446.	1.9	8
333	Gut microbiome in acute pancreatitis: A review based on current literature. <i>World Journal of Gastroenterology</i> , 2021, 27, 5019-5036.	3.3	20

#	ARTICLE	IF	CITATIONS
334	Microbiota intestinal y salud. <i>GastroenterologÃa Y HepatologÃa</i> , 2021, 44, 519-535.	0.5	21
335	Gut Microbiome and Common Variable Immunodeficiency: Few Certainties and Many Outstanding Questions. <i>Frontiers in Immunology</i> , 2021, 12, 712915.	4.8	26
336	Gut microbes and health. <i>GastroenterologÃa Y HepatologÃa (English Edition)</i> , 2021, 44, 519-535.	0.1	8
337	Introducing the Microbes and Social Equity Working Group: Considering the Microbial Components of Social, Environmental, and Health Justice. <i>MSystems</i> , 2021, 6, e0047121.	3.8	45
338	A kiosk survey of perception, attitudes and knowledge (PAK) of Australians concerning microbes, antibiotics, probiotics and hygiene. <i>Health Promotion Journal of Australia</i> , 2022, 33, 838-851.	1.2	4
339	Degradation of sulfadiazine and electricity generation from wastewater using <i>Bacillus subtilis</i> EL06 integrated with an open circuit system. <i>Chemosphere</i> , 2021, 276, 130145.	8.2	7
340	The Present and Future of Personalized Nutrition. <i>Revista De Investigacion Clinica</i> , 2021, 73, 321-325.	0.4	1
341	Dynamic Change in Oral Microbiota of Children With Cleft Lip and Palate After Alveolar Bone Grafting. <i>Cleft Palate-Craniofacial Journal</i> , 2022, 59, 1352-1360.	0.9	2
342	A natural history museum visitor survey of perception, attitude and knowledge (PAK) of microbes and antibiotics. <i>PLoS ONE</i> , 2021, 16, e0257085.	2.5	2
343	Effect of Intrapartum Antibiotics Prophylaxis on the Bifidobacterial Establishment within the Neonatal Gut. <i>Microorganisms</i> , 2021, 9, 1867.	3.6	8
344	Abiotic transformation and ecotoxicity change of sulfonamide antibiotics in environmental and water treatment processes: A critical review. <i>Water Research</i> , 2021, 202, 117463.	11.3	81
346	Tracking antibiotic resistance genes (ARGs) during earthworm conversion of cow dung in northern China. <i>Ecotoxicology and Environmental Safety</i> , 2021, 222, 112538.	6.0	22
347	A systematic review on antibiotics misuse in livestock and aquaculture and regulation implications in China. <i>Science of the Total Environment</i> , 2021, 798, 149205.	8.0	178
348	Urinary antibiotic level of school children in Shanghai, East China, 2017â€“2020. <i>Environmental Pollution</i> , 2021, 291, 118167.	7.5	9
349	Threshold effects of soil pH on microbial co-occurrence structure in acidic and alkaline arable lands. <i>Science of the Total Environment</i> , 2021, 800, 149592.	8.0	23
350	Microbiota-Brain-Gut Axis and Neurodegenerative Disorders. , 2022, , 412-422.		1
351	Photothermally activated multifunctional MoS2 bactericidal nanoplatform for combined chemo/photothermal/photodynamic triple-mode therapy of bacterial and biofilm infections. <i>Chemical Engineering Journal</i> , 2022, 429, 132600.	12.7	58
352	The Kinetics of an Antibiotic Stewardship Intervention: A Quasi-Experimental Study. <i>Infectious Diseases and Therapy</i> , 2021, 10, 613-619.	4.0	1

#	ARTICLE	IF	CITATIONS
353	A comparative study of the effects of different fucoidans on cefoperazone-induced gut microbiota disturbance and intestinal inflammation. <i>Food and Function</i> , 2021, 12, 9087-9097.	4.6	16
354	The Impact of Gut Microbiota on the Immune Response to Vaccination. , 2022, , 145-160.		0
355	Accounting for variation in and overuse of antibiotics among humans. <i>BioEssays</i> , 2021, 43, e2000163.	2.5	28
356	The gut microbiome in neurodegenerative disorders. , 2021, , 101-121.		0
357	Perinatal treatment of parents with the broad-spectrum antibiotic enrofloxacin aggravates contact sensitivity in adult offspring mice. <i>Pharmacological Reports</i> , 2021, 73, 664-671.	3.3	5
358	Farm Animals and Pets' Impact on Gut Microbiota. , 2021, , 125-125.		0
359	Antibiotic-contaminated wastewater irrigated vegetables pose resistance selection risks to the gut microbiome. <i>Environmental Pollution</i> , 2020, 264, 114752.	7.5	66
360	The oral and gut microbiome in rheumatoid arthritis patients: a systematic review. <i>Rheumatology</i> , 2021, 60, 1054-1066.	1.9	38
366	Maternal high-fat diet results in microbiota-dependent expansion of ILC3s in mice offspring. <i>JCI Insight</i> , 2018, 3, .	5.0	34
367	Recent advances in modulating the microbiome. <i>F1000Research</i> , 2020, 9, 46.	1.6	36
368	Antibiotic exposure perturbs the gut microbiota and elevates mortality in honeybees. <i>PLoS Biology</i> , 2017, 15, e2001861.	5.6	367
369	Transcriptome Sequencing Reveals Large-Scale Changes in Axenic <i>Aedes aegypti</i> Larvae. <i>PLoS Neglected Tropical Diseases</i> , 2017, 11, e0005273.	3.0	53
370	Sulfites inhibit the growth of four species of beneficial gut bacteria at concentrations regarded as safe for food. <i>PLoS ONE</i> , 2017, 12, e0186629.	2.5	78
371	Synthesis of New Piperazine Substituted Chalcone Sulphonamides as Antibacterial Agents. <i>Current Organic Synthesis</i> , 2020, 17, 136-143.	1.3	7
373	Antibiotics, cancer risk and oncologic treatment efficacy: a practical review of the literature. <i>Ecanermedicalscience</i> , 2020, 17, 1106.	1.1	8
374	Assessment of the Physicochemical and Microbiological Parameters of a Teaching Hospital's Wastewaters in Abidjan in Côte d'Ivoire. <i>Journal of Water Resource and Protection</i> , 2016, 08, 1251-1265.	0.8	8
375	Removal of antibiotics from wastewater and its problematic effects on microbial communities by bioelectrochemical Technology: Current knowledge and future perspectives. <i>Environmental Engineering Research</i> , 2021, 26, .	2.5	22
376	The microbiota protects from viral-induced neurologic damage through microglia-intrinsic TLR signaling. <i>ELife</i> , 2019, 8, .	6.0	41

#	ARTICLE	IF	CITATIONS
377	Factors affecting the composition of the gut microbiota, and its modulation. PeerJ, 2019, 7, e7502.	2.0	360
378	Antibacterial Effect of Eight Probiotic Strains of Bifidobacterium against Pathogenic Staphylococcus aureus and Pseudomonas aeruginosa. Journal of Bacteriology and Virology, 2021, 51, 128-137.	0.1	3
379	Enrofloxacin Alters Fecal Microbiota and Resistome Irrespective of Its Dose in Calves. Microorganisms, 2021, 9, 2162.	3.6	6
380	One-Week Effects of Antibiotic Treatment on Gut Microbiota of Late Neonates With Pneumonia or Meningitis. Frontiers in Pediatrics, 2021, 9, 723617.	1.9	2
381	Unravelling the collateral damage of antibiotics on gut bacteria. Nature, 2021, 599, 120-124.	27.8	159
382	L-Arginine based polyester amide/hyaluronic acid hybrid hydrogel with dual anti-inflammation and antioxidant functions for accelerated wound healing. Chinese Chemical Letters, 2022, 33, 1880-1884.	9.0	26
383	Impact of Early-Life Antibiotic Use on Gut Microbiota of Infants. Journal of Microbial & Biochemical Technology, 2017, 9, .	0.2	3
384	Research Article Intestinal Dysbiosis Increases the Incidence of Malignant Melanoma in Mice Model. Genetics and Molecular Research, 2017, 16, .	0.2	1
385	Variation in Use of Prophylactic Antibiotics in Gynecologic Procedures Before and After an Educational Intervention. Southern Medical Journal, 2017, 110, 782-784.	0.7	1
387	Relevancia cl�nica de interacciones de antibi�ticos relacionadas con cambios en la absorci�n: revisi�n estructurada. CES Medicina, 2018, 32, 235-249.	0.1	1
388	Microbiota, immunity and immunologically-mediated diseases. Vnitri Lekarstvi, 2019, 65, 98-107.	0.2	4
390	Rheumatological Manifestations of GI Disorders. , 2020, , 1-17.		0
392	Host-associated <i>Bacillus siamensis</i> and <i>Lactococcus petauri</i> improved growth performance, innate immunity, antioxidant activity and ammonia tolerance in juvenile Japanese seabass (<i>Lateolabrax japonicus</i>). Aquaculture Nutrition, 2021, 27, 2739-2748.	2.7	15
393	Global and Temporal Trends in the Use of Antibiotics and Spread of Antimicrobial Resistance. Emerging Contaminants and Associated Treatment Technologies, 2020, , 81-94.	0.7	1
394	Early life determinants of health: Invest early to break the cycle of long-term disadvantage in neurodevelopmental disorders. , 2020, , 61-97.		1
395	The Microbiota-Gut-Liver Axis: Implications for the Pathophysiology of Liver Disease. , 2020, , 125-137.		0
396	GUT MICROBIOTA, PREBIOTICS, PROBIOTICS, AND SYNBIOTICS IN GASTROINTESTINAL AND LIVER DISEASES: PROCEEDINGS OF A JOINT MEETING OF THE BRAZILIAN SOCIETY OF HEPATOLOGY (SBH), BRAZILIAN NUCLEUS FOR THE STUDY OF HELICOBACTER PYLORI AND MICROBIOTA (NBEHPM), AND BRAZILIAN FEDERATION OF GASTROENTEROLOGY (FBG). Arquivos De Gastroenterologia, 2020, 57, 381-398.	0.8	5
397	Determinants of the Gut Microbiota. , 2020, , 19-62.		0

#	ARTICLE	IF	CITATIONS
399	Association between antibiotics use and diabetes incidence in a nationally representative retrospective cohort among Koreans. <i>Scientific Reports</i> , 2021, 11, 21681.	3.3	10
401	Implications for mitigation of antibiotic resistance: Differential response of intracellular and extracellular antibiotic resistance genes to sludge fermentation coupled with thermal hydrolysis. <i>Water Research</i> , 2022, 209, 117876.	11.3	16
402	Comparison and prioritization of antibiotics in a reservoir and its inflow rivers of Beijing, China. <i>Environmental Science and Pollution Research</i> , 2022, 29, 25209-25221.	5.3	13
403	Cancer Microbiology. <i>Journal of the National Cancer Institute</i> , 2022, 114, 651-663.	6.3	4
404	Probiotic Use in Pediatric Ear, Nose, and Throat Infections Practice. , 2022, , 1085-1090.		0
405	Novel Biomarkers Differentiating Viral from Bacterial Infection in Febrile Children: Future Perspectives for Management in Clinical Praxis. <i>Children</i> , 2021, 8, 1070.	1.5	7
406	The role of the microbiota in the management of intensive care patients. <i>Annals of Intensive Care</i> , 2022, 12, 3.	4.6	29
407	The role of nutrients and probiotics in treatment of depression. <i>Bulletin of Siberian Medicine</i> , 2022, 20, 171-179.	0.3	1
408	Discerning in vitro pharmacodynamics from OD measurements: A model-based approach. <i>Computers and Chemical Engineering</i> , 2022, 158, 107617.	3.8	6
409	Highly efficient disinfection based on multiple enzyme-like activities of Cu ₃ P nanoparticles: A catalytic approach to impede antibiotic resistance. <i>Applied Catalysis B: Environmental</i> , 2022, 304, 121017.	20.2	28
410	CO-PRODUCTION OF EXTENDED-SPECTRUM BETA-LACTAMASES AND METALLO BETA-LACTAMASES AMONG MULTI-DRUG RESISTANT GRAM-NEGATIVE BACTERIA ISOLATES COLLECTED FROM TERTIARY HOSPITALS IN OYO STATE, NIGERIA. <i>FUDMA Journal of Sciences</i> , 2020, 4, 230-241.	0.2	0
412	Efficacy of VERIGENE® Blood Culture assays in accurately and rapidly detecting Gram-negative and Gram-positive pathogens. <i>Infectious Disorders - Drug Targets</i> , 2022, 22, .	0.8	1
413	Pharmacomicrobiomics: Exploiting the Drug-Microbiota Interactions in Antihypertensive Treatment. <i>Frontiers in Medicine</i> , 2021, 8, 742394.	2.6	21
414	Advances in bioremediation of antibiotic pollution in the environment. , 2022, , 49-78.		2
416	The Paradox of Prosthetic Joint Infection and the Microbiome: Are Some Bacteria Actually Helpful?. <i>Arthroplasty Today</i> , 2022, 13, 116-119.	1.6	2
418	High efficiently piezocatalysis degradation of tetracycline by few-layered MoS ₂ /GDY: Mechanism and toxicity evaluation. <i>Chemical Engineering Journal</i> , 2022, 436, 135173.	12.7	60
419	Indocyanine Green Performance Enhanced System for Potent Photothermal Treatment of Bacterial Infection. <i>Molecular Pharmaceutics</i> , 2022, 19, 4527-4537.	4.6	5
420	Microbiota and body weight control: Weight watchers within?. <i>Molecular Metabolism</i> , 2022, 57, 101427.	6.5	25

#	ARTICLE	IF	CITATIONS
421	Analysis of antibiotic resistance genes reveals their important roles in influencing the community structure of ocean microbiome. <i>Science of the Total Environment</i> , 2022, 823, 153731.	8.0	8
422	Combinatorial, additive and dose-dependent drug-microbiome associations. <i>Nature</i> , 2021, 600, 500-505.	27.8	102
423	Lasting shift in the gut microbiota in patients with acute myeloid leukemia. <i>Blood Advances</i> , 2022, 6, 3451-3457.	5.2	10
424	Effect of fecal microbiota transplantation on primary hypertension and the underlying mechanism of gut microbiome restoration: protocol of a randomized, blinded, placebo-controlled study. <i>Trials</i> , 2022, 23, 178.	1.6	9
425	Oxygen deficiency induction and boundary layer modulation for improved adsorption performance of titania nanoparticles. <i>Chemical Papers</i> , 0, , 1.	2.2	3
426	Captivity and Animal Microbiomes: Potential Roles of Microbiota for Influencing Animal Conservation. <i>Microbial Ecology</i> , 2023, 85, 820-838.	2.8	36
427	Impact of antibiotic use on patient-level risk of death in 36 million hospital admissions in England. <i>Journal of Infection</i> , 2022, 84, 311-320.	3.3	7
428	The Effect of Long-Term or Repeated Use of Antibiotics in Children and Adolescents on Cognitive Impairment in Middle-Aged and Older Person(s) Adults: A Cohort Study. <i>Frontiers in Aging Neuroscience</i> , 2022, 14, 833365.	3.4	2
429	Understanding the Complexities and Changes of the Astronaut Microbiome for Successful Long-Duration Space Missions. <i>Life</i> , 2022, 12, 495.	2.4	18
430	Identification of Antimotilins, Novel Inhibitors of <i>Helicobacter pylori</i> Flagellar Motility That Inhibit Stomach Colonization in a Mouse Model. <i>MBio</i> , 2022, 13, e0375521.	4.1	6
431	S-Scheme $\text{Fe}_2\text{O}_3/\text{g-C}_3\text{N}_4$ Nanocomposites as Heterojunction Photocatalysts for Antibiotic Degradation. <i>ACS Applied Nano Materials</i> , 2022, 5, 4506-4514.	5.0	59
432	Theoretical Development of DnaG Primase as a Novel Narrow-Spectrum Antibiotic Target. <i>ACS Omega</i> , 2022, 7, 8420-8428.	3.5	1
433	Sex differences in the fecal microbiome and hippocampal glial morphology following diet and antibiotic treatment. <i>PLoS ONE</i> , 2022, 17, e0265850.	2.5	4
434	Gut Microbiome: Profound Implications for Diet and Disease. <i>Kompass Nutrition & Dietetics</i> , 0, , 1-16.	0.3	2
435	Typical antibiotic exposure and dysglycemia risk in an elderly Chinese population. <i>Environmental Science and Pollution Research</i> , 2022, 29, 59701-59711.	5.3	2
436	Recent progress in Fenton/Fenton-like reactions for the removal of antibiotics in aqueous environments. <i>Ecotoxicology and Environmental Safety</i> , 2022, 236, 113464.	6.0	74
437	Emerging organic contaminants in global community drinking water sources and supply: A review of occurrence, processes and remediation. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107560.	6.7	67
438	Chemically Grafted Nanozyme Composite Cryogels to Enhance Antibacterial and Biocompatible Performance for Bioliquid Regulation and Adaptive Bacteria Trapping. <i>ACS Nano</i> , 2021, 15, 19672-19683.	14.6	50

#	ARTICLE	IF	CITATIONS
439	Periodontal Disease: The Good, The Bad, and The Unknown. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 766944.	3.9	104
440	Role of the Microbiome in Regulating Bone Metabolism and Susceptibility to Osteoporosis. <i>Calcified Tissue International</i> , 2022, 110, 273-284.	3.1	22
441	Two-dimensional copper metal-organic frameworks as antibacterial agents for biofilm treatment. <i>Science China Technological Sciences</i> , 2022, 65, 1052-1058.	4.0	11
442	The relation between the gut microbiome and osteoarthritis: A systematic review of literature. <i>PLoS ONE</i> , 2021, 16, e0261353.	2.5	19
443	An Ultrasmall Fe ₃ O ₄ -Decorated Polydopamine Hybrid Nanozyme Enables Continuous Conversion of Oxygen into Toxic Hydroxyl Radical via GSH-Depleted Cascade Redox Reactions for Intensive Wound Disinfection. <i>Small</i> , 2022, 18, e2105465.	10.0	63
444	Photocatalytic elimination of moxifloxacin by two-dimensional graphitic carbon nitride nanosheets: Enhanced activity, degradation mechanism and potential practical application. <i>Separation and Purification Technology</i> , 2022, 292, 121067.	7.9	37
460	An integrated perspective on transmutation of acute inflammation into chronic and the role of the microbiome. <i>Journal of Medicine and Life</i> , 2021, 14, 740-747.	1.3	1
462	Role of Gut Microbiota in Pulmonary Arterial Hypertension. <i>Frontiers in Cellular and Infection Microbiology</i> , 2022, 12, .	3.9	7
463	Dynamics of Changes in the Gut Microbiota of Healthy Mice Fed with Lactic Acid Bacteria and Bifidobacteria. <i>Microorganisms</i> , 2022, 10, 1020.	3.6	26
464	The Co ₃ O ₄ nanosheet hybridized with silver nanoparticles affords long-acting synergetic antimicrobial and catalytic degradation activity. <i>Journal of Alloys and Compounds</i> , 2022, 914, 165284.	5.5	9
465	Oral antibiotics reduce voluntary exercise behavior in athletic mice. <i>Behavioural Processes</i> , 2022, 199, 104650.	1.1	4
466	Biological units of antimicrobial resistance and strategies for their containment in animal production. <i>FEMS Microbiology Ecology</i> , 2022, , .	2.7	1
467	Designed secretion deters microbiome depletion. <i>Nature Microbiology</i> , 0, , .	13.3	0
468	The NICU Antibiotics and Outcomes (NANO) trial: a randomized multicenter clinical trial assessing empiric antibiotics and clinical outcomes in newborn preterm infants. <i>Trials</i> , 2022, 23, .	1.6	10
469	Surface defects engineered Bi ₄ Ti ₃ O ₁₂ nanosheets for photocatalytic degradation of antibiotic levofloxacin. <i>Applied Catalysis A: General</i> , 2022, 640, 118675.	4.3	11
470	Ni Nanocrystals Supported on Graphene Oxide: Antibacterial Agents for Synergistic Treatment of Bacterial Infections. <i>ACS Omega</i> , 0, , .	3.5	6
471	Host Transcriptional Signatures Predict Etiology in Community-Acquired Pneumonia: Potential Antibiotic Stewardship Tools. <i>Biomarker Insights</i> , 2022, 17, 117727192210991.	2.5	1
472	Reply: Transperineal Prostate Biopsy is Associated With Lower Tissue Core Pathogen Burden Relative to Transrectal Biopsy: Mechanistic Underpinnings for Lower Infection Risk in the Transperineal Approach. <i>Urology</i> , 2022, , .	1.0	0

#	ARTICLE	IF	CITATIONS
473	Neonatal Programming of Microbiota Composition: A Plausible Idea That Is Not Supported by the Evidence. <i>Frontiers in Microbiology</i> , 0, 13, .	3.5	3
474	A dose-finding safety and feasibility study of oral activated charcoal and its effects on the gut microbiota in healthy volunteers not receiving antibiotics. <i>PLoS ONE</i> , 2022, 17, e0269986.	2.5	2
475	Coevolution of the Human Host and Gut Microbiome: Metagenomics of Microbiota. <i>Cureus</i> , 2022, , .	0.5	4
476	Ethnic disparities attributed to the manifestation in and response to type 2 diabetes: insights from metabolomics. <i>Metabolomics</i> , 2022, 18, .	3.0	11
477	Rose bengal-modified gold nanorods for PTT/PDT antibacterial synergistic therapy. <i>Photodiagnosis and Photodynamic Therapy</i> , 2022, 39, 102988.	2.6	9
478	Antibacterial, Antifungal, Antiviral, and Antiparasitic Activities of <i>Peganum harmala</i> and Its Ingredients: A Review. <i>Molecules</i> , 2022, 27, 4161.	3.8	7
479	MiniBioReactor Array (MBRA) <i>in vitro</i> gut model: a reliable system to study microbiota-dependent response to antibiotic treatment. <i>JAC-Antimicrobial Resistance</i> , 2022, 4, .	2.1	1
480	Perceptions and reported practices of pregnant women and mothers of children under two years of age regarding antibiotic use and resistance in Vientiane province, Lao PDR: a qualitative study. <i>BMC Pregnancy and Childbirth</i> , 2022, 22, .	2.4	3
481	The gut microbiome, immune check point inhibition and immune-related adverse events in non-small cell lung cancer. <i>Cancer and Metastasis Reviews</i> , 2022, 41, 347-366.	5.9	11
482	Gut dysbiosis impairs hippocampal plasticity and behaviors by remodeling serum metabolome. <i>Gut Microbes</i> , 2022, 14, .	9.8	25
483	Multiple generations of antibiotic exposure and isolation influence host fitness and the microbiome in a model zooplankton species. <i>FEMS Microbiology Ecology</i> , 2022, 98, .	2.7	0
484	Microbiota and Hematological Diseases. <i>International Journal of Hematology-Oncology and Stem Cell Research</i> , 0, , .	0.3	1
485	Antibiotic prescription patterns among US general dentists and periodontists. <i>Journal of the American Dental Association</i> , 2022, 153, 979-988.	1.5	1
486	Survey on antimicrobial resistance knowledge and perceptions in university students reveals concerning trends on antibiotic use and procurement. <i>Jammi</i> , 2022, 7, 220-232.	0.5	1
487	We've looked at gut from both sides now: Gastrointestinal tract involvement in the pathogenesis of SARS-CoV-2 and HIV/SIV infections. <i>Frontiers in Immunology</i> , 0, 13, .	4.8	3
488	Does Plant Identity Affect the Dispersal of Resistomes Above and Below Ground?. <i>Environmental Science & Technology</i> , 2022, 56, 14904-14912.	10.0	8
489	The double-edged sword of probiotic supplementation on gut microbiota structure in <i>Helicobacter pylori</i> management. <i>Gut Microbes</i> , 2022, 14, .	9.8	33
490	Individuality and ethnicity eclipse a short-term dietary intervention in shaping microbiomes and viromes. <i>PLoS Biology</i> , 2022, 20, e3001758.	5.6	8

#	ARTICLE	IF	CITATIONS
491	Bacteriological profile of paediatric skin and soft tissue infections and their antibiogram at a tertiary care teaching hospital in north India. <i>Tropical Doctor</i> , 0, , 004947552211170.	0.5	0
492	Impacts of Gut Microbiota on the Immune System and Fecal Microbiota Transplantation as a Re-Emerging Therapy for Autoimmune Diseases. <i>Antibiotics</i> , 2022, 11, 1093.	3.7	4
493	L-cysteine boosted Fe(III)-activated peracetic acid system for sulfamethoxazole degradation: Role of L-cysteine and mechanism. <i>Chemical Engineering Journal</i> , 2023, 451, 138588.	12.7	42
494	Antibiotics-induced changes in intestinal bacteria result in the sensitivity of honey bee to virus. <i>Environmental Pollution</i> , 2022, 314, 120278.	7.5	16
495	Accumulation and risk assessment of antibiotics in edible plants grown in contaminated farmlands: A review. <i>Science of the Total Environment</i> , 2022, 853, 158616.	8.0	22
496	Construction of a matchstick-shaped Au@ZnO@SiO ₂ ICG Janus nanomotor for light-triggered synergistic antibacterial therapy. <i>Biomaterials Science</i> , 2022, 10, 5608-5619.	5.4	11
497	A biofilm microenvironment-responsive one-for-all bactericidal nanoplatform for photothermal-augmented multimodal synergistic therapy of pathogenic bacterial biofilm infection. <i>Journal of Materials Chemistry B</i> , 2022, 10, 7744-7759.	5.8	13
498	The etiology of gut dysbiosis and its role in chronic disease. , 2022, , 71-91.		0
499	Significance of the normal microflora of the body. , 2022, , 21-38.		0
501	Frequency of bystander exposure to antibiotics for enteropathogenic bacteria among young children in low-resource settings. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	5
502	Mass screening and eradication of <i>Helicobacter pylori</i> as the policy recommendations for gastric cancer prevention. <i>Journal of the Formosan Medical Association</i> , 2022, 121, 2378-2392.	1.7	6
504	Retrospective Study for the Clinical Evaluation of a Real-Time PCR Assay with Lyophilized and Ready-to-Use Reagents for <i>Streptococcus agalactiae</i> Detection in Prenatal Screening Specimens. <i>Diagnostics</i> , 2022, 12, 2189.	2.6	1
505	Degradation of antibiotic contaminants from water by gas-liquid underwater discharge plasma. <i>Plasma Science and Technology</i> , 0, , .	1.5	0
506	Association of area-level education with the regional growth trajectories of rates of antibacterial dispensing to patients under 3 years in Norway: a longitudinal retrospective study. <i>BMJ Open</i> , 2022, 12, e058491.	1.9	1
508	Intestinal Microbiota: The Driving Force behind Advances in Cancer Immunotherapy. <i>Cancers</i> , 2022, 14, 4796.	3.7	4
510	Prior antibiotics and risk of subsequent Herpes zoster: A population-based case control study. <i>PLoS ONE</i> , 2022, 17, e0276807.	2.5	0
511	Antimicrobial activity of cationic antimicrobial peptides against stationary phase bacteria. <i>Frontiers in Microbiology</i> , 0, 13, .	3.5	5
512	Gut Microbiota Profiles in Children and Adolescents with Psychiatric Disorders. <i>Microorganisms</i> , 2022, 10, 2009.	3.6	13

#	ARTICLE	IF	CITATIONS
513	Antibiotics degradation by advanced oxidation process (AOPs): Recent advances in ecotoxicity and antibiotic-resistance genes induction of degradation products. <i>Chemosphere</i> , 2023, 311, 136977.	8.2	62
514	A novel therapeutic concern: Antibiotic resistance genes in common chronic diseases. <i>Frontiers in Microbiology</i> , 0, 13, .	3.5	5
515	A propeptide-based biosensor for the selective detection of <i>Vibrio cholerae</i> using an environment-sensitive fluorophore. <i>Cell Chemical Biology</i> , 2022, 29, 1505-1516.e7.	5.2	0
516	Effects of <i>Helicobacter pylori</i> Therapy on Gut Microbiota: A Systematic Review and Meta-Analysis. <i>Digestive Diseases</i> , 2024, 42, 102-112.	1.9	0
517	Treatment of refractory <i>Helicobacter pylori</i> infection: A new challenge for clinicians. <i>Frontiers in Microbiology</i> , 0, 13, .	3.5	4
518	Kidney microbiota dysbiosis contributes to the development of hypertension. <i>Gut Microbes</i> , 2022, 14, .	9.8	2
519	The Gut Microbiome Modulates Body Temperature Both in Sepsis and Health. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2023, 207, 1030-1041.	5.6	12
521	Broad-spectrum antibiotics associated gut microbiome disturbance impairs T cell immunity and promotes lung cancer metastasis: a retrospective study. <i>BMC Cancer</i> , 2022, 22, .	2.6	2
522	Protease or <i>Clostridium butyricum</i> addition to a low-protein diet improves broiler growth performance. <i>Applied Microbiology and Biotechnology</i> , 2022, 106, 7917-7931.	3.6	10
523	Comparative Safety and Attributable Healthcare Expenditures Following Inappropriate Versus Appropriate Outpatient Antibiotic Prescriptions Among Adults With Upper Respiratory Infections. <i>Clinical Infectious Diseases</i> , 2023, 76, 986-995.	5.8	3
525	Alterations of the fecal microbiota in relation to acute COVID-19 infection and recovery. <i>Molecular Biomedicine</i> , 2022, 3, .	4.4	11
526	Antibiotics for lung disease and cancer. , 2022, , 299-305.		1
527	<i>Clostridia</i> isolated from helminth-colonized humans promote the life cycle of <i>Trichuris</i> species. <i>Cell Reports</i> , 2022, 41, 111725.	6.4	7
528	Research Progress on Small Molecular Inhibitors of the Type 3 Secretion System. <i>Molecules</i> , 2022, 27, 8348.	3.8	0
529	A sublingual nanofiber vaccine to prevent urinary tract infections. <i>Science Advances</i> , 2022, 8, .	10.3	7
530	The History of the Intestinal Microbiota and the Gut-Brain Axis. <i>Pathogens</i> , 2022, 11, 1540.	2.8	5
531	Polydopamine-based nanospheres as nanoplatforms to kill <i>Staphylococcus aureus</i> and to promote wound healing by photothermal therapy. <i>Frontiers in Chemistry</i> , 0, 10, .	3.6	0
532	Second-line levofloxacin-based quadruple therapy versus bismuth-based quadruple therapy for <i>Helicobacter pylori</i> eradication and long-term changes to the gut microbiota and antibiotic resistome: a multicentre, open-label, randomised controlled trial. <i>The Lancet Gastroenterology and Hepatology</i> , 2023, 8, 228-241.	8.1	10

#	ARTICLE	IF	CITATIONS
533	Human matters in asthma: Considering the microbiome in pulmonary health. <i>Frontiers in Pharmacology</i> , 0, 13, .	3.5	3
534	Ready-To-Eat Rocket Salads as Potential Reservoir of Bacteria for the Human Microbiome. <i>Microbiology Spectrum</i> , 2023, 11, .	3.0	3
535	A novel approach for combining the metagenome, metaresistome, metareplicome and causal inference to determine the microbes and their antibiotic resistance gene repertoire that contribute to dysbiosis. <i>Microbial Genomics</i> , 2022, 8, .	2.0	0
536	Metagenomic characterization of the maternal prenatal gastrointestinal microbiome by pregravid BMI. <i>Obesity</i> , 2023, 31, 412-422.	3.0	1
538	A Cross-Sectional Study of Potential Antimicrobial Resistance and Ecology in Gastrointestinal and Oral Microbial Communities of Young Normoweight Pakistani Individuals. <i>Microorganisms</i> , 2023, 11, 279.	3.6	2
539	The Microbiota in Immunity and Inflammation. , 2023, , 281-293.		0
540	Facile fabrication of AgVO ₃ /rGO/BiVO ₄ hetero junction for efficient degradation and detoxification of norfloxacin. <i>Environmental Research</i> , 2023, 227, 115623.	7.5	6
541	Carbon nanotube-loaded copper-nickel ferrite activated persulfate system for adsorption and degradation of oxytetracycline hydrochloride. <i>Journal of Colloid and Interface Science</i> , 2023, 640, 761-774.	9.4	14
542	Chitosan nanoparticles efficiently enhance the dispersibility, stability and selective antibacterial activity of insoluble isoflavonoids. <i>International Journal of Biological Macromolecules</i> , 2023, 232, 123420.	7.5	6
543	Characterizing the Effect of Amylase Inhibitors on Maltodextrin Metabolism by Gut Bacteria Using Fluorescent Glycan Labeling. <i>ACS Chemical Biology</i> , 2023, 18, 356-366.	3.4	1
544	Is there a role for microbiome-based approach in common variable immunodeficiency?. <i>Clinical and Experimental Medicine</i> , 2023, 23, 1981-1998.	3.6	2
545	Treatment with 2 commercial antibiotics reduced clinical and systemic signs of pneumonia and the abundance of pathogenic bacteria in the upper respiratory tract of preweaning dairy calves. <i>Journal of Dairy Science</i> , 2023, 106, 2750-2771.	3.4	2
546	Fecal microbiota transplantation attenuates <i>Escherichia coli</i> infected outgrowth by modulating the intestinal microbiome. <i>Microbial Cell Factories</i> , 2023, 22, .	4.0	4
547	Vermicompost: A Potential Reservoir of Antimicrobial Resistant Microbes (ARMs) and Genes (ARGs). , 2023, , 307-333.		0
548	Association between Antibiotic Exposure and Type 2 Diabetes Mellitus in Middle-Aged and Older Adults. <i>Nutrients</i> , 2023, 15, 1290.	4.1	3
549	Recent Advances in Metal Complexes for Antimicrobial Photodynamic Therapy. <i>ChemBioChem</i> , 2023, 24, .	2.6	10
550	Photothermal Therapy with Ag Nanoparticles in Mesoporous Polydopamine for Enhanced Antibacterial Activity. <i>ACS Applied Nano Materials</i> , 2023, 6, 4834-4843.	5.0	11
552	Design of BODIPY functional ZIF-90 towards enhanced visible-light driven antibacterial performance. <i>New Journal of Chemistry</i> , 0, , .	2.8	0

#	ARTICLE	IF	CITATIONS
553	Association of proton pump inhibitor and antibiotic use with the clinical outcomes of hepatocellular carcinoma patients receiving atezolizumab and bevacizumab: A multicenter analysis. <i>Hepatology Research</i> , 0, .	3.4	2
555	Interaction of Intestinal Microbiota with Medications. <i>Current Drug Metabolism</i> , 2023, 24, .	1.2	0
556	Disruption of fish gut microbiota composition and holobiont's metabolome during a simulated <i>Microcystis aeruginosa</i> (Cyanobacteria) bloom. <i>Microbiome</i> , 2023, 11, .	11.1	5
559	<i>Mycobacterium ulcerans</i> culture results according to duration of prior antibiotic treatment: A cohort study. <i>PLoS ONE</i> , 2023, 18, e0284201.	2.5	0
560	The Role of Gut Microbiota in the Clinical Outcome of Septic Patients: State of the Art and Future Perspectives. <i>International Journal of Molecular Sciences</i> , 2023, 24, 9307.	4.1	2
561	The microbiome and cancer immunotherapy. , 2024, , 223-236.e4.		0
563	Design of Z-scheme polymeric carbon nitride/Bi ₂ WO ₆ heterojunctions for efficient visible-light-driven antibiotic degradation. <i>Applied Surface Science</i> , 2023, 633, 157609.	6.1	2
564	The gut dysbiosis-cancer axis: illuminating novel insights and implications for clinical practice. <i>Frontiers in Pharmacology</i> , 0, 14, .	3.5	2
565	Membrane-active substituted triazines as antibacterial agents against <i>Staphylococcus aureus</i> with potential for low drug resistance and broad activity. <i>European Journal of Medicinal Chemistry</i> , 2023, 258, 115551.	5.5	4
566	Evaluation of the microbiota-sparing properties of the anti-staphylococcal antibiotic afabicin. <i>Journal of Antimicrobial Chemotherapy</i> , 2023, 78, 1900-1908.	3.0	2
567	Evolutionary and functional history of the <i>Escherichia coli</i> K1 capsule. <i>Nature Communications</i> , 2023, 14, .	12.8	2
568	Epigenetic effects of short-chain fatty acids from the large intestine on host cells. <i>MicroLife</i> , 2023, 4, .	2.1	2
569	Laccase-evoked removal of antibiotics: Reaction kinetics, conversion mechanisms, and ecotoxicity assessment. <i>Critical Reviews in Environmental Science and Technology</i> , 2024, 54, 162-183.	12.8	2
570	In situ preparation of MOF-199 into the carrageenan-grafted-polyacrylamide@Fe ₃ O ₄ matrix for enhanced adsorption of levofloxacin and cefixime antibiotics from water. <i>Environmental Research</i> , 2023, 233, 116466.	7.5	8
571	Symptoms, Treatment, and Outcomes of COVID-19 Patients Coinfected with <i>Clostridioides difficile</i> : Single-Center Study from NE Romania during the COVID-19 Pandemic. <i>Antibiotics</i> , 2023, 12, 1091.	3.7	0
572	Individualized network analysis reveals link between the gut microbiome, diet intervention and Gestational Diabetes Mellitus. <i>PLoS Computational Biology</i> , 2023, 19, e1011193.	3.2	0
573	Multiple Antibiotic-Resistant Bacteria Resistant to Electrochemical Disinfection with Variation of Key Antibiotic Resistance Genes. <i>ACS ES&T Water</i> , 0, , .	4.6	0
574	Artificial intelligence-assisted point-of-care testing system for ultrafast and quantitative detection of drug-resistant bacteria. <i>SmartMat</i> , 0, , .	10.7	2

#	ARTICLE	IF	CITATIONS
575	Gut microbiome signatures of extreme environment adaption in Tibetan pig. <i>Npj Biofilms and Microbiomes</i> , 2023, 9, .	6.4	7
576	Can antibiotics for enteritis or for urinary tract infection disrupt the urinary microbiota in rats?. <i>Frontiers in Cellular and Infection Microbiology</i> , 0, 13, .	3.9	0
578	Host, Genetic, and Environmental Influences on the Gut Microbiota. , 2023, , 83-104.		0
579	Saliva microbiome in relation to SARS-CoV-2 infection in a prospective cohort of healthy US adults. <i>EBioMedicine</i> , 2023, 94, 104731.	6.1	1
580	Gut Microbial Intersections with Human Ecology and Evolution. <i>Annual Review of Anthropology</i> , 2023, 52, .	1.5	2
581	Use of viability PCR for detection of live <i>Chlamydia trachomatis</i> in clinical specimens. <i>Frontiers in Reproductive Health</i> , 0, 5, .	1.9	2
582	Antibiotic-induced collateral damage to the microbiota and associated infections. <i>Nature Reviews Microbiology</i> , 2023, 21, 789-804.	28.6	7
583	The clinical impact of early detection of ESBL-producing Enterobacterales with PCR-based blood culture assays. <i>American Journal of Infection Control</i> , 2024, 52, 73-80.	2.3	0
584	Different advanced oxidation processes for the abatement of pharmaceutical compounds. <i>International Journal of Environmental Science and Technology</i> , 2024, 21, 2325-2338.	3.5	1
585	Management of liver disease and portal hypertension in common variable immunodeficiency (CVID). <i>JHEP Reports</i> , 2023, 5, 100882.	4.9	0
586	Dual roles of nanocrystalline cellulose extracted from jute (<i>Corchorus olitorius</i> L.) leaves in resisting antibiotics and protecting probiotics. <i>Nanoscale Advances</i> , 0, , .	4.6	0
587	The Effect of COVID-19 on Gut Microbiota: Exploring the Complex Interplay and Implications for Human Health. <i>Gastrointestinal Disorders</i> , 2023, 5, 340-355.	0.8	1
588	Antimicrobial Stewardship and Pandemic Preparedness: Harnessing Lessons Learned to Advance Our Mission. <i>Infectious Disease Clinics of North America</i> , 2023, , .	5.1	0
589	Effects of dietary supplement with licorice and rutin mixture on production performance, egg quality, antioxidant capacity, and gut microbiota in quails (<i>Turnix tanki</i>). <i>Poultry Science</i> , 2023, , 103038.	3.4	0
590	An Oxygen-Independent Photodynamic Therapy Nanoplatfrom for Combating Anaerobic Infection. <i>Journal of Analysis and Testing</i> , 2023, 7, 227-236.	5.1	2
591	Urinary Antibiotics and Bile Acid Homeostasis in Chinese Adults. <i>Environmental Science and Technology Letters</i> , 2023, 10, 721-727.	8.7	1
592	Efficient antibiotic wastewater treatment via interfacial water evaporation based soot-coated conjugated microporous polymer hollow microspheres. <i>Chemical Engineering Journal</i> , 2023, 475, 146226.	12.7	4
593	Microbiome ownership for Indigenous peoples. <i>Nature Microbiology</i> , 2023, 8, 1777-1786.	13.3	1

#	ARTICLE	IF	CITATIONS
594	Multi-Omics Analysis Reveals the Gut Microbiota Characteristics of Diarrheal Piglets Treated with Gentamicin. <i>Antibiotics</i> , 2023, 12, 1349.	3.7	0
595	Are multiple courses of antibiotics a potential risk factor for COVID-19 infection and severity?. , 2023, 3, .		1
596	Gone with a trace: cataloguing the disappearing gut microbes. <i>Nature Reviews Microbiology</i> , 2023, 21, 704-704.	28.6	0
597	Occurrence of antibiotics in reclaimed water, and their uptake dynamics, phytotoxicity, and metabolic fate in <i>Lolium perenne</i> L.. <i>Science of the Total Environment</i> , 2023, 904, 166975.	8.0	1
599	The Clinical and Economic Burden of Antibiotic Use in Pediatric Patients With Varicella Infection: A Retrospective Cohort Analysis of Real-World Data in England. <i>Journal of Infectious Diseases</i> , 0, , .	4.0	1
600	The Human Microbiome and Its Role in Musculoskeletal Disorders. <i>Genes</i> , 2023, 14, 1937.	2.4	2
601	Sterile soil mitigates the intergenerational loss of gut microbial diversity and anxiety-like behavior induced by antibiotics in mice. <i>Brain, Behavior, and Immunity</i> , 2024, 115, 179-190.	4.1	0
602	Diversity loss from multiple interacting disturbances is regime-dependent. <i>Ecology Letters</i> , 2023, 26, 2056-2065.	6.4	0
603	Antibacterial micro/nanomotors: advancing biofilm research to support medical applications. <i>Journal of Nanobiotechnology</i> , 2023, 21, .	9.1	2
604	Phage therapy minimally affects the water microbiota in an Atlantic salmon (<i>Salmo salar</i>) rearing system while still preventing infection. <i>Scientific Reports</i> , 2023, 13, .	3.3	2
605	A self-assembled hydrogel dressing as multi-target therapeutics to promote wound healing. <i>Chemical Engineering Journal</i> , 2023, 477, 147145.	12.7	0
606	Toll-like receptors in inflammatory bowel disease: A review of the role of phytochemicals. <i>Phytomedicine</i> , 2024, 123, 155178.	5.3	0
607	A Catastrophic Biodiversity Loss in the Environment Is Being Replicated on the Skin Microbiome: Is This a Major Contributor to the Chronic Disease Epidemic?. <i>Microorganisms</i> , 2023, 11, 2784.	3.6	0
608	Dihydrobenzothiazole coupled N- ϵ -piperazinyl acetamides as antimicrobial agents: Design, synthesis, biological evaluation and molecular docking studies. <i>Archiv Der Pharmazie</i> , 0, , .	4.1	0
609	A decennial study of the trend of antibiotic studies in China. <i>Environmental Science and Pollution Research</i> , 2023, 30, 121338-121353.	5.3	1
610	The Emergence of Wastewater Treatment Plant as a Leading Source for Dissemination of Antibiotic-Resistant Gene. , 2023, , 75-94.		0
612	Expert consensus on the relevance of intestinal microecology and hematopoietic stem cell transplantation. <i>Clinical Transplantation</i> , 2024, 38, .	1.6	0
613	Gut microbiome associated dysbiosis: Limited regimens and expanding horizons of phage therapy. , 2023, 2, 100029.		0

#	ARTICLE	IF	CITATIONS
614	COVID-19 and mental health risks in children: A role for biomarkers of inflammation, stress and the gut-brain axis. <i>Biomarkers in Neuropsychiatry</i> , 2023, 9, 100080.	1.0	1
615	Seeds Act as Vectors for Antibiotic Resistance Gene Dissemination in a Soil-Plant Continuum. <i>Environmental Science & Technology</i> , 0, , .	10.0	0
616	Gut microbiome dynamics in index patients colonized with extended-spectrum beta-lactamase (ESBL)-producing Enterobacterales after hospital discharge and their household contacts. <i>Microbiology Spectrum</i> , 2023, 11, .	3.0	0
618	Metal-amplified sonodynamic therapy of Ti-based chitosan-polyvinyl alcohol hybrid hydrogel dressing against subcutaneous <i>Staphylococcus aureus</i> infection. <i>International Journal of Biological Macromolecules</i> , 2024, 258, 129120.	7.5	0
619	Modified Gexia-Zhuyu Tang inhibits gastric cancer progression by restoring gut microbiota and regulating pyroptosis. <i>Cancer Cell International</i> , 2024, 24, .	4.1	0
620	Anti-Cryptosporidial Drug-Discovery Challenges and Existing Therapeutic Avenues: A "One-Health" Concern. <i>Life</i> , 2024, 14, 80.	2.4	0
621	The influence of gut microbiome on periprosthetic joint infections: State-of-the art. <i>Journal of ISAKOS</i> , 2024, , .	2.3	0
622	Proton pump inhibitors and potassium competitive acid blockers decrease pembrolizumab efficacy in patients with metastatic urothelial carcinoma. <i>Scientific Reports</i> , 2024, 14, .	3.3	0
623	Photochemical behaviors of sludge extracellular polymeric substances from bio-treated effluents towards antibiotic degradation: Distinguish the main photosensitive active component and its environmental implication. <i>Journal of Hazardous Materials</i> , 2024, 467, 133667.	12.4	0
624	Circular RNAs, Noncoding RNAs, and N6-methyladenosine Involved in the Development of MAFLD. <i>Non-coding RNA</i> , 2024, 10, 11.	2.6	0
625	Association of Perioperative Antibiotics with the Prevention of Postoperative Fistula after Cleft Palate Repair. <i>Plastic and Reconstructive Surgery - Global Open</i> , 2024, 12, e5589.	0.6	0
626	ROUTE OF ADMINISTRATION OF NANOPARTICLES COMBATING A RESISTANT BACTERIUM.. <i>Pakistan Journal of Biotechnology</i> , 2024, 21, 01-24.	0.2	0
627	Impact of intense sanitization on environmental biofilm communities and the survival of <i>Salmonella enterica</i> at a beef processing plant. <i>Frontiers in Microbiology</i> , 0, 15, .	3.5	0
628	Bio-based matrix photocatalysts for photodegradation of antibiotics. <i>Photochemical and Photobiological Sciences</i> , 2024, 23, 587-627.	2.9	0
629	Long-term beneficial effect of faecal microbiota transplantation on colonisation of multidrug-resistant bacteria and resistome abundance in patients with recurrent <i>Clostridioides difficile</i> infection. <i>Genome Medicine</i> , 2024, 16, .	8.2	0
630	Multifunctional PDA/ZIF8 based hydrogel dressing modulates the microenvironment to accelerate chronic wound healing by ROS scavenging and macrophage polarization. <i>Chemical Engineering Journal</i> , 2024, 487, 150632.	12.7	0
631	Antimicrobial Properties of Colostrum and Milk. <i>Antibiotics</i> , 2024, 13, 251.	3.7	0
632	Mannan-oligosaccharides promote gut microecological recovery after antibiotic disturbance. <i>Food and Function</i> , 2024, 15, 3810-3823.	4.6	0