CITATION REPORT List of articles citing

Gut microbiota dysbiosis contributes to the development of hypertension

DOI: 10.1186/s40168-016-0222-x Microbiome, 2017, 5, 14.

Source: https://exaly.com/paper-pdf/65963055/citation-report.pdf

Version: 2024-04-28

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

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

| # | Paper | IF | Citations |
|-----|--|----|-----------|
| 904 | The Gut, Its Microbiome, and Hypertension. 2017 , 19, 36 | | 78 |
| 903 | Glucocorticoids and gut bacteria: "The GALF Hypothesis" in the metagenomic era. 2017, 125, 1-13 | | 33 |
| 902 | Gut-Derived Serum Lipopolysaccharide is Associated With Enhanced Risk of Major Adverse Cardiovascular Events in Atrial Fibrillation: Effect of Adherence to Mediterranean Diet. 2017 , 6, | | 60 |
| 901 | The immune response to Prevotella bacteria in chronic inflammatory disease. 2017, 151, 363-374 | | 375 |
| 900 | Gut Microbiota: Potential for a Unifying Hypothesis for Prevention and Treatment of Hypertension. 2017 , 120, 1724-1726 | | 24 |
| 899 | Obstructive Sleep Apnea-Induced Hypertension: Role of the Gut Microbiota. 2017 , 19, 35 | | 14 |
| 898 | The Host Microbiome Regulates and Maintains Human Health: A Primer and Perspective for Non-Microbiologists. 2017 , 77, 1783-1812 | | 165 |
| 897 | Timing the Microbes: The Circadian Rhythm of the Gut Microbiome. 2017 , 32, 505-515 | | 64 |
| 896 | Innovation in microbiome-based strategies for promoting metabolic health. 2017 , 20, 484-491 | | 24 |
| 895 | Gut microbiome and its role in cardiovascular diseases. 2017 , 32, 761-766 | | 94 |
| 894 | Gastrointestinal sodium absorption, microbiome, and hypertension. 2017 , 14, 693 | | 3 |
| 893 | Estrogen-gut microbiome axis: Physiological and clinical implications. 2017 , 103, 45-53 | | 243 |
| 892 | Gut-Brain Axis in Regulation of Blood Pressure. 2017 , 8, 845 | | 33 |
| 891 | Pharmabiotics as an Emerging Medication for Metabolic Syndrome and Its Related Diseases. 2017 , 22, | | 14 |
| 890 | Alterations of the Gut Microbiome in Hypertension. 2017 , 7, 381 | | 178 |
| 889 | Next-Generation Beneficial Microbes: The Case of. 2017 , 8, 1765 | | 459 |
| 888 | Fuzhuan Brick Tea Polysaccharides Attenuate Metabolic Syndrome in High-Fat Diet Induced Mice in Association with Modulation in the Gut Microbiota. 2018 , 66, 2783-2795 | | 108 |

(2018-2018)

| 887 | Influence of diet and dietary nanoparticles on gut dysbiosis. 2018 , 118, 61-65 | 12 |
|-----|---|-----|
| 886 | The Endotoxemia Marker Lipopolysaccharide-Binding Protein is Reduced in Overweight-Obese Subjects Consuming Pomegranate Extract by Modulating the Gut Microbiota: A Randomized Clinical Trial. 2018 , 62, e1800160 | 61 |
| 885 | Tracing of the fecal microbiota of commercial pigs at five growth stages from birth to shipment. 2018 , 8, 6012 | 48 |
| 884 | Analysis of gut microbiota diversity and auxiliary diagnosis as a biomarker in patients with schizophrenia: A cross-sectional study. 2018 , 197, 470-477 | 142 |
| 883 | Kudingcha and Fuzhuan Brick Tea Prevent Obesity and Modulate Gut Microbiota in High-Fat Diet Fed Mice. 2018 , 62, e1700485 | 113 |
| 882 | Multi-omics approach to elucidate the gut microbiota activity: Metaproteomics and metagenomics connection. 2018 , 39, 1692-1701 | 22 |
| 881 | Elevated circulating levels of succinate in human obesity are linked to specific gut microbiota. 2018 , 12, 1642-1657 | 132 |
| 880 | Indole and indoxyl sulfate, gut bacteria metabolites of tryptophan, change arterial blood pressure via peripheral and central mechanisms in rats. 2018 , 130, 172-179 | 38 |
| 879 | Helicobacter pylori infection and prevalence of high blood pressure among Chinese adults. 2018 , 32, 158-164 | 20 |
| 878 | Metagenomic and metabolomic analyses unveil dysbiosis of gut microbiota in chronic heart failure patients. 2018 , 8, 635 | 133 |
| 877 | MVP: a microbe-phage interaction database. 2018 , 46, D700-D707 | 31 |
| 876 | The Interplay Between the Microbiome and Cardiovascular Risk. 2018 , 6, 89-97 | 2 |
| 875 | Sleep Apnea Morbidity: A Consequence of Microbial-Immune Cross-Talk?. 2018 , 154, 754-759 | 30 |
| 874 | Parturition and the perinatal period: can mode of delivery impact on the future health of the neonate?. 2018 , 596, 5709-5722 | 40 |
| 873 | Altered microbiome in chronic kidney disease: systemic effects of gut-derived uremic toxins. 2018 , 132, 509-522 | 94 |
| 872 | Imbalance of gut microbiome and intestinal epithelial barrier dysfunction in patients with high blood pressure. 2018 , 132, 701-718 | 177 |
| 871 | Gut microbiota and hypertension: From pathogenesis to new therapeutic strategies. 2018, 42, 110-117 | 32 |
| 870 | Beyond gut feelings: how the gut microbiota regulates blood pressure. 2018 , 15, 20-32 | 177 |

| 869 | The gut microbiota: An emerging risk factor for cardiovascular and cerebrovascular disease. 2018 , 48, 564-575 | 72 |
|-----|--|-----|
| 868 | Chronic intermittent hypoxia disrupts cardiorespiratory homeostasis and gut microbiota composition in adult male guinea-pigs. 2018 , 38, 191-205 | 38 |
| 867 | Resveratrol, Metabolic Syndrome, and Gut Microbiota. 2018 , 10, | 107 |
| 866 | Population-Based Gut Microbiome Associations With Hypertension. 2018 , 123, 1185-1187 | 6 |
| 865 | Microbiota control acute arterial inflammation and neointimal hyperplasia development after arterial injury. 2018 , 13, e0208426 | 12 |
| 864 | Effects of short-term endurance exercise on gut microbiota in elderly men. 2018 , 6, e13935 | 44 |
| 863 | The Human Gut Virome in Hypertension. 2018 , 9, 3150 | 24 |
| 862 | Gut dysbiosis is associated with the reduced exercise capacity of elderly patients with hypertension. 2018 , 41, 1036-1044 | 17 |
| 861 | Tree Nut Consumption and Adipose Tissue Mass: Mechanisms of Action. 2018 , 2, nzy069 | 11 |
| 860 | Detection and characterization of bacterial nucleic acids in culture-negative synovial tissue and fluid samples from rheumatoid arthritis or osteoarthritis patients. 2018 , 8, 14305 | 40 |
| 859 | Metabolic and Microbiota Measures as Peripheral Biomarkers in Major Depressive Disorder. 2018 , 9, 513 | 18 |
| 858 | Interaction between gut microbiome and cardiovascular disease. 2018 , 214, 153-157 | 69 |
| 857 | Role of Gut Microbiota in the Pathogenesis of Cardiovascular Diseases and Metabolic Syndrome. 2018 , 14, 567-574 | 9 |
| 856 | Prebiotics, Probiotics, and Acetate Supplementation Prevent Hypertension in a Model of Obstructive Sleep Apnea. 2018 , 72, 1141-1150 | 74 |
| 855 | Dietary Patterns Affect the Gut Microbiome-The Link to Risk of Cardiometabolic Diseases. 2018 , 148, 1402-1407 | 23 |
| 854 | Hypertension in HIV-Infected Adults: Novel Pathophysiologic Mechanisms. 2018 , 72, 44-55 | 60 |
| 853 | Gut Microbiota in Health and Disease. 2018 , 57-90 | |
| 852 | The gut microbiota and the brain-gut-kidney axis in hypertension and chronic kidney disease. 2018 , 14, 442-456 | 199 |

| 851 | Brief Overview of a Decade of Genome-Wide Association Studies on Primary Hypertension. 2018 , 2018, 7259704 | | 6 |
|-----|--|------|-----|
| 850 | Human gut microbiome: hopes, threats and promises. 2018 , 67, 1716-1725 | | 599 |
| 849 | Breast cancer in postmenopausal women is associated with an altered gut metagenome. Microbiome, 2018, 6, 136 | 16.6 | 81 |
| 848 | Dietary Fiber Treatment Corrects the Composition of Gut Microbiota, Promotes SCFA Production, and Suppresses Colon Carcinogenesis. 2018 , 9, | | 101 |
| 847 | An Overview of Metabolic Phenotyping in Blood Pressure Research. 2018 , 20, 78 | | 10 |
| 846 | Microbiota-Host Crosstalk: A Bridge Between Cardiovascular Risk Factors, Diet, and Cardiovascular Disease. 2018 , 31, 941-944 | | 5 |
| 845 | The Probiotic Lactobacillus fermentum Prevents Dysbiosis and Vascular Oxidative Stress in Rats with Hypertension Induced by Chronic Nitric Oxide Blockade. 2018 , 62, e1800298 | | 35 |
| 844 | The crosstalk of gut microbiota and chronic kidney disease: role of inflammation, proteinuria, hypertension, and diabetes mellitus. 2018 , 50, 1453-1466 | | 67 |
| 843 | Lactobacillus plantarum 299v Supplementation Improves Vascular Endothelial Function and Reduces Inflammatory Biomarkers in Men With Stable Coronary Artery Disease. 2018 , 123, 1091-1102 | | 66 |
| 842 | Influence of dietary protein on Dahl salt-sensitive hypertension: a potential role for gut microbiota. 2018 , 315, R907-R914 | | 6 |
| 841 | [Host-microbiota crosstalk and cardiovascular diseases]. 2018, 47, 775-779 | | 1 |
| 840 | The bidirectional interaction between the sympathetic nervous system and immune mechanisms in the pathogenesis of hypertension. 2019 , 176, 1839-1852 | | 29 |
| 839 | Gut Microbiota Pattern of Centenarians. 2019 , 149-160 | | 1 |
| 838 | Study on the Antihypertensive Mechanism of and Based on Intestinal Flora-Host Metabolism. 2019 , 2019, 5418796 | | 14 |
| 837 | Gut Microbiota and Fecal Levels of Short-Chain Fatty Acids Differ Upon 24-Hour Blood Pressure Levels in Men. 2019 , 74, 1005-1013 | | 49 |
| 836 | Molecular characterization of alterations in the intestinal microbiota of patients with grade 3 hypertension. 2019 , 44, 513-522 | | 16 |
| 835 | Heart failure developed after myocardial infarction does not affect gut microbiota composition in the rat. 2019 , 317, G342-G348 | | 2 |
| 834 | Inflammation, Immunity, and Oxidative Stress in Hypertension-Partners in Crime?. 2019 , 26, 122-130 | | 33 |

| 833 | Differential Analysis of Hypertension-Associated Intestinal Microbiota. 2019, 16, 872-881 | 37 |
|-----|--|-----|
| 832 | Blood Pressure Abnormalities Associated with Gut Microbiota-Derived Short Chain Fatty Acids in Children with Congenital Anomalies of the Kidney and Urinary Tract. 2019 , 8, | 15 |
| 831 | Fecal Microbial Transplantation for Diseases Beyond Recurrent Clostridium Difficile Infection. 2019 , 157, 624-636 | 41 |
| 830 | Alteration of the Gut Microbiota and Its Effect on AMPK/NADPH Oxidase Signaling Pathway in 2K1C Rats. 2019 , 2019, 8250619 | 4 |
| 829 | Life history and functional capacity of the microbiome are altered in beta-cypermethrin-resistant cockroaches. 2019 , 49, 715-723 | 9 |
| 828 | Supplementation with Akkermansia muciniphila in overweight and obese human volunteers: a proof-of-concept exploratory study. 2019 , 25, 1096-1103 | 650 |
| 827 | Persistence of Gut Microbiota Dysbiosis and Chronic Systemic Inflammation After Cerebral Infarction in Cynomolgus Monkeys. 2019 , 10, 661 | 19 |
| 826 | The Gut Microbial Metabolite Trimethylamine N-Oxide and Hypertension Risk: A Systematic Review and Dose-Response Meta-analysis. 2020 , 11, 66-76 | 42 |
| 825 | Microbiota-gut brain axis involvement in neuropsychiatric disorders. 2019 , 19, 1037-1050 | 55 |
| 824 | A Robust Metatranscriptomic Technology for Population-Scale Studies of Diet, Gut Microbiome, and Human Health. 2019 , 2019, 1718741 | 6 |
| 823 | Alterations of the Gut Microbiota in Multiple System Atrophy Patients. 2019 , 13, 1102 | 16 |
| 822 | Comprehensive relationships between gut microbiome and faecal metabolome in individuals with type 2 diabetes and its complications. 2019 , 66, 526-537 | 49 |
| 821 | Characteristics of Gut Microbiota in Patients with Hypertension and/or Hyperlipidemia: A Cross-Sectional Study on Rural Residents in Xinxiang County, Henan Province. 2019 , 7, | 20 |
| 820 | The Prevotella copri Complex Comprises Four Distinct Clades Underrepresented in Westernized Populations. 2019 , 26, 666-679.e7 | 141 |
| 819 | New Insights on the Role of Sodium in the Physiological Regulation of Blood Pressure and Development of Hypertension. 2019 , 6, 136 | 6 |
| 818 | Guidelines for Transparency on Gut Microbiome Studies in Essential and Experimental Hypertension. 2019 , 74, 1279-1293 | 24 |
| 817 | Circulating Metabolites Originating from Gut Microbiota Control Endothelial Cell Function. 2019 , 24, | 26 |
| 816 | The probiotic Lactobacillus fermentum 296 attenuates cardiometabolic disorders in high fat diet-treated rats. 2019 , 29, 1408-1417 | 27 |

(2019-2019)

| 815 | The Interplay between Maternal and Post-Weaning High-Fat Diet and Gut Microbiota in the Developmental Programming of Hypertension. 2019 , 11, | 20 |
|-----|--|----|
| 814 | The Microbiome and Atopic Dermatitis: A Review. 2019 , 20, 749-761 | 19 |
| 813 | Gut Microbiome and Response to Cardiovascular Drugs. 2019 , 12, 421-429 | 33 |
| 812 | Zhengganxifeng Decoction Affects Gut Microbiota and Reduces Blood Pressure via Renin-Angiotensin System. 2019 , 42, 1482-1490 | 8 |
| 811 | The gut microbiome and cardiovascular disease: current knowledge and clinical potential. 2019 , 317, H923-H938 | 43 |
| 810 | Obesity-related cognitive impairment: The role of endothelial dysfunction. 2019 , 132, 104580 | 36 |
| 809 | Targeting Gut Microbiota for the Prevention and Management of Diabetes Mellitus by Dietary Natural Products. 2019 , 8, | 36 |
| 808 | Sodium, hypertension, and the gut: does the gut microbiota go salty?. 2019 , 317, H1173-H1182 | 22 |
| 807 | Gut microbiota: A new protagonist in the risk of cardiovascular disease?. 2019 , 31, 178-185 | |
| 806 | The role of chronic kidney disease-associated dysbiosis in cardiovascular disease. 2019 , 244, 514-525 | 15 |
| 805 | Modulation of the Gut Microbiota by Resistant Starch as a Treatment of Chronic Kidney Diseases: Evidence of Efficacy and Mechanistic Insights. 2019 , 10, 303-320 | 35 |
| 804 | Fecal Microbial Transplantation and Its Potential Application in Cardiometabolic Syndrome. 2019 , 10, 1341 | 35 |
| 803 | Impaired Autonomic Nervous System-Microbiome Circuit in Hypertension. 2019 , 125, 104-116 | 47 |
| 802 | Hypertension as a Metabolic Disorder and the Novel Role of the Gut. 2019 , 21, 63 | 43 |
| 801 | [Role of the microbiome in chronic wounds]. 2019 , 70, 422-431 | 2 |
| 800 | Disordered gut microbiota and alterations in metabolic patterns are associated with atrial fibrillation. 2019 , 8, | 47 |
| 799 | The intestinal microbiota and cardiovascular disease. 2019 , 115, 1471-1486 | 20 |
| 798 | Gut Microbiota Plays a Central Role to Modulate the Plasma and Fecal Metabolomes in Response to Angiotensin II. 2019 , 74, 184-193 | 39 |

| 797 | The gut microbiota - a modulator of endothelial cell function and a contributing environmental factor to arterial thrombosis. 2019 , 12, 541-549 | 5 |
|------------------|--|--------------|
| 796 | Sex, gut microbiome, and cardiovascular disease risk. 2019 , 10, 29 | 57 |
| 795 | Cesarean Delivery and Hypertension in Early Adulthood. 2019 , 188, 1296-1303 | 6 |
| 794 | Effects of dietary intervention and n-3 PUFA supplementation on markers of gut-related inflammation and their association with cardiovascular events in a high-risk population. 2019 , 286, 53-59 | 5 |
| 793 | A metagenomic analysis of the relationship between microorganisms and flavor development in Shaoxing mechanized huangjiu fermentation mashes. 2019 , 303, 9-18 | 56 |
| 792 | Impact of Gut Microbiota Composition on Onset and Progression of Chronic Non-Communicable Diseases. 2019 , 11, | 58 |
| 791 | Dysbiotic gut microbes may contribute to hypertension by limiting vitamin D production. 2019 , 42, 710-719 | 28 |
| 790 | Intestinal Microbiota in Cardiovascular Health and Disease: JACC State-of-the-Art Review. 2019 , 73, 2089-210 | 5 158 |
| 789 | metamicrobiomeR: an R package for analysis of microbiome relative abundance data using zero-inflated beta GAMLSS and meta-analysis across studies using random effects models. 2019 , 20, 188 | 29 |
| 788 | Role of the immune system in vascular function and blood pressure control induced by faecal microbiota transplantation in rats. 2019 , 227, e13285 | 50 |
| 787 | The role of the gut microbiome in sex differences in arterial pressure. 2019 , 10, 22 | 27 |
| 786 | Alterations in the gut microbiome and metabolism with coronary artery disease severity. Microbiome, 2019, 7, 68 | 93 |
| 785 | Critical Role of the Interaction Gut Microbiota - Sympathetic Nervous System in the Regulation of Blood Pressure. 2019 , 10, 231 | 89 |
| 7 ⁸ 4 | Manipulation of gut microbiota blunts the ventilatory response to hypercapnia in adult rats. 2019 , 44, 618-638 | 25 |
| 783 | Precarious Symbiosis Between Host and Microbiome in Cardiovascular Health. 2019 , 73, 926-935 | 8 |
| 782 | The Influence of Meal Frequency and Timing on Health in Humans: The Role of Fasting. 2019 , 11, | 101 |
| 781 | Incorporation of Gene-Environment Interaction Terms Improved the Predictive Accuracy of Tacrolimus Stable Dose Algorithms in Chinese Adult Renal Transplant Recipients. 2019 , 59, 890-899 | 4 |
| 7 ⁸ 0 | Gut microbiota: a new path to treat obesity. 2019 , 9, 10-19 | 114 |

(2019-2019)

| 779 | Core Fucosylation of Maternal Milk N-Glycan Evokes B Cell Activation by Selectively Promoting the l-Fucose Metabolism of Gut spp. and spp. 2019 , 10, | 25 |
|-----|--|----|
| 778 | Gut as a possible biomarker of diet and its eubiotic versus dysbiotic roles: a comprehensive literature review. 2019 , 122, 131-140 | 84 |
| 777 | Cardiovascular and Stroke Nursing Council Science in Review. 2019 , 8, e012522 | 1 |
| 776 | Multidonor FMT capsules improve symptoms and decrease fecal calprotectin in ulcerative colitis patients while treated - an open-label pilot study. 2019 , 54, 289-296 | 21 |
| 775 | The effect of diet on hypertensive pathology: is there a link via gut microbiota-driven immunometabolism?. 2019 , 115, 1435-1447 | 31 |
| 774 | Gut microbiota: A new protagonist in the risk of cardiovascular disease?. 2019 , 31, 178-185 | 2 |
| 773 | Higher Risk of Stroke Is Correlated With Increased Opportunistic Pathogen Load and Reduced Levels of Butyrate-Producing Bacteria in the Gut. 2019 , 9, 4 | 61 |
| 772 | Role of gut metabolism of adrenal corticosteroids and hypertension: clues gut-cleansing antibiotics give us. 2019 , 51, 83-89 | 12 |
| 771 | Gut Dysbiosis in Arterial Hypertension. 2019 , 243-249 | |
| 770 | Sustained Captopril-Induced Reduction in Blood Pressure Is Associated With Alterations in Gut-Brain Axis in the Spontaneously Hypertensive Rat. 2019 , 8, e010721 | 37 |
| 769 | Impact of Preservation Method and 16S rRNA Hypervariable Region on Gut Microbiota Profiling. 2019 , 4, | 59 |
| 768 | Targeting the Gut Microbiota to Investigate the Mechanism of Lactulose in Negating the Effects of a High-Salt Diet on Hypertension. 2019 , 63, e1800941 | 21 |
| 767 | Polyamines and microbiota in bicuspid and tricuspid aortic valve aortopathy. 2019 , 129, 179-187 | 4 |
| 766 | Peri-operative, intravenous clindamycin may improve the resolution rate of hypertension after Roux-en-Y gastric bypass in morbidly obese patients. 2019 , 33, 3984-3989 | 4 |
| 765 | The gut microbiota and blood pressure in experimental models. 2019 , 28, 97-104 | 28 |
| 764 | Obstructive Sleep Apnea and Systemic Hypertension: Gut Dysbiosis as the Mediator?. 2019 , 15, 1517-1527 | 27 |
| 763 | Inflammaging as a common ground for the development and maintenance of sarcopenia, obesity, cardiomyopathy and dysbiosis. 2019 , 56, 100980 | 51 |
| 762 | Role and Effective Therapeutic Target of Gut Microbiota in Heart Failure. 2019 , 2019, 5164298 | 27 |

| 761 | The Strange Case of Prevotella copri: Dr. Jekyll or Mr. Hyde?. 2019 , 26, 577-578 | 11 |
|-----------------|---|-----|
| 760 | Duration of Persistent Atrial Fibrillation Is Associated with Alterations in Human Gut Microbiota and Metabolic Phenotypes. 2019 , 4, | 15 |
| 759 | Gut Microbiota Dysbiosis and Increased Plasma LPS and TMAO Levels in Patients With Preeclampsia. 2019 , 9, 409 | 39 |
| 758 | The microbiome: implications for perioperative and critical care. 2019 , 32, 412-420 | 13 |
| 757 | Current understanding of gut microbiota alterations and related therapeutic intervention strategies in heart failure. 2019 , 132, 1843-1855 | 16 |
| 756 | Distinct gut microbiota profile in antiretroviral therapy-treated perinatally HIV-infected patients associated with cardiac and inflammatory biomarkers. 2019 , 33, 1001-1011 | 19 |
| 755 | Short-Chain Fatty Acid Propionate Protects From Hypertensive Cardiovascular Damage. 2019 , 139, 1407-1421 | 204 |
| 754 | Microbiome-metabolome reveals the contribution of gut-kidney axis on kidney disease. 2019 , 17, 5 | 122 |
| 753 | Relation of Circulating Trimethylamine N-Oxide With Coronary Atherosclerotic Burden in Patients With ST-segment Elevation Myocardial Infarction. 2019 , 123, 894-898 | 21 |
| 75 ² | Microglial Cells Impact Gut Microbiota and Gut Pathology in Angiotensin II-Induced Hypertension. 2019 , 124, 727-736 | 52 |
| 751 | Impaired butyrate absorption in the proximal colon, low serum butyrate and diminished central effects of butyrate on blood pressure in spontaneously hypertensive rats. 2019 , 226, e13256 | 41 |
| 75° | A Systematic Review of the Interaction Between Gut Microbiota and Host Health from a Symbiotic Perspective. 2019 , 1, 224-235 | 3 |
| 749 | New and traditional foods in a modernized Mediterranean diet model. 2019 , 72, 47-54 | 5 |
| 748 | Gut microbiota, hypertension and chronic kidney disease: Recent advances. 2019 , 144, 390-408 | 40 |
| 747 | Hypertension in Chronic Kidney Disease: Novel Insights. 2020 , 16, 45-54 | 5 |
| 746 | GMrepo: a database of curated and consistently annotated human gut metagenomes. 2020 , 48, D545-D553 | 41 |
| 745 | Gut microbiota compositional profile and serum metabolic phenotype in patients with primary open-angle glaucoma. 2020 , 191, 107921 | 28 |
| 744 | Comparisons of protective effects between two sea cucumber hydrolysates against diet induced hyperuricemia and renal inflammation in mice. 2020 , 11, 1074-1086 | 19 |

| 743 | The gut microbiome in neurological disorders. 2020 , 19, 179-194 | 265 |
|-----|--|-----|
| 742 | Composition of the bacterial community in the gastrointestinal tract of Kunming mice. 2020 , 43, 16-22 | 2 |
| 741 | The Gut Microbiome as a Therapeutic Target for Cognitive Impairment. 2020 , 75, 1242-1250 | 18 |
| 740 | Walnuts and Vegetable Oils Containing Oleic Acid Differentially Affect the Gut Microbiota and Associations with Cardiovascular Risk Factors: Follow-up of a Randomized, Controlled, Feeding Trial in Adults at Risk for Cardiovascular Disease. 2020 , 150, 806-817 | 24 |
| 739 | Microbiome and hypertension: where are we now?. 2020 , 21, 83-88 | 17 |
| 738 | Association of suboptimal health status with intestinal microbiota in Chinese youths. 2020 , 24, 1837-1847 | 13 |
| 737 | Changes to the gut microbiota induced by losartan contributes to its antihypertensive effects. 2020 , 177, 2006-2023 | 22 |
| 736 | Transcriptomic signature of gut microbiome-contacting cells in colon of spontaneously hypertensive rats. 2020 , 52, 121-132 | 16 |
| 735 | Gut Microbiota in Hypertension and Atherosclerosis: A Review. 2020 , 12, | 55 |
| 734 | Nutritional Targeting of the Microbiome as Potential Therapy for Malnutrition and Chronic Inflammation. 2020 , 12, | 5 |
| 733 | The Role of the Gut Microbiota in Coronary Heart Disease. 2020 , 22, 77 | 11 |
| 732 | Health and disease markers correlate with gut microbiome composition across thousands of people. 2020 , 11, 5206 | 115 |
| 731 | Shifts in gut microbiome and metabolome are associated with risk of recurrent atrial fibrillation. 2020 , 24, 13356-13369 | 11 |
| 730 | Implications of gut microbiome on coronary artery disease. 2020 , 10, 869-880 | 8 |
| 729 | The Gut Virome Database Reveals Age-Dependent Patterns of Virome Diversity in the Human Gut. 2020 , 28, 724-740.e8 | 125 |
| 728 | Fecal microbiota transplantation from mice exposed to chronic intermittent hypoxia elicits sleep disturbances in nave mice. 2020 , 334, 113439 | 15 |
| 727 | Intestinal barrier dysfunction as a therapeutic target for cardiovascular disease. 2020 , 319, H1227-H1233 | 9 |
| 726 | Gut microbiota-derived short-chain fatty acids and hypertension: Mechanism and treatment. 2020 , 130, 110503 | 18 |

| 7 2 5 | Microbiota Introduced to Germ-Free Rats Restores Vascular Contractility and Blood Pressure. 2020 , 76, 1847-1855 | 19 |
|------------------|--|----|
| 724 | Associations of sodium and potassium consumption with the gut microbiota and host metabolites in a population-based study in Chinese adults. 2020 , 112, 1599-1612 | 2 |
| 723 | Gut microbiota from coronary artery disease patients contributes to vascular dysfunction in mice by regulating bile acid metabolism and immune activation. 2020 , 18, 382 | 13 |
| 722 | Implication of Gut Microbiota in Cardiovascular Diseases. 2020 , 2020, 5394096 | 20 |
| 721 | Gut microbiome alterations induced by tributyltin exposure are associated with increased body weight, impaired glucose and insulin homeostasis and endocrine disruption in mice. 2020 , 266, 115276 | 6 |
| 720 | Renal denervation improves chronic intermittent hypoxia induced hypertension and cardiac fibrosis and balances gut microbiota. 2020 , 262, 118500 | 6 |
| 719 | From obesity through gut microbiota to cardiovascular diseases: a dangerous journey. 2020 , 10, 35-49 | 15 |
| 718 | Effects of probiotic therapy on cardio-metabolic parameters and autonomic modulation in hypertensive women: a randomized, triple-blind, placebo-controlled trial. 2020 , 11, 7152-7163 | 12 |
| 717 | Bugs, breathing and blood pressure: microbiota-gut-brain axis signalling in cardiorespiratory control in health and disease. 2020 , 598, 4159-4179 | 10 |
| 716 | The gut microbiome as a target for adjuvant therapy in obstructive sleep apnea. 2020 , 24, 1263-1282 | 8 |
| 715 | Metabolomics of Interstitial Fluid, Plasma and Urine in Patients with Arterial Hypertension: New Insights into the Underlying Mechanisms. 2020 , 10, | 6 |
| 714 | Mutual Interplay of Host Immune System and Gut Microbiota in the Immunopathology of Atherosclerosis. 2020 , 21, | 6 |
| 713 | Vaginal Microbiome-Based Bacterial Signatures for Predicting the Severity of Cervical Intraepithelial Neoplasia. 2020 , 10, | 2 |
| 712 | Mycophenolate Improves Brain-Gut Axis Inducing Remodeling of Gut Microbiota in DOCA-Salt Hypertensive Rats. 2020 , 9, | 2 |
| 711 | Gut Microbiota-Related Evidence Provides New Insights Into the Association Between Activating Transcription Factor 4 and Development of Salt-Induced Hypertension in Mice. 2020 , 8, 585995 | 6 |
| 710 | Study of the Mechanism Underlying the Antihypertensive Effects of and Based on an Analysis of the Intestinal Microbiota and Metabonomics. 2020 , 2020, 4261485 | 3 |
| 709 | The role of the gut microbiota and microbial metabolites in neuroinflammation. 2020, 50, 1863-1870 | 14 |
| 708 | Pulmonary arterial hypertension-associated changes in gut pathology and microbiota. 2020 , 6, | 11 |

| 707 | A gut dysbiotic microbiota-based hypothesis of human-to-human transmission of non-communicable diseases. 2020 , 745, 141030 | 10 |
|-----|--|-----|
| 706 | Gut Microbiota Profiling in Patients With HER2-Negative Metastatic Breast Cancer Receiving Metronomic Chemotherapy of Capecitabine Compared to Those Under Conventional Dosage. 2020 , 10, 902 | 10 |
| 705 | Gut Microbiota and Cardiovascular Disease. 2020 , 127, 553-570 | 103 |
| 704 | Metagenomic data-mining reveals enrichment of trimethylamine-N-oxide synthesis in gut microbiome in atrial fibrillation patients. 2020 , 21, 526 | 11 |
| 703 | Targeting on Gut Microbiota-Derived Metabolite Trimethylamine to Protect Adult Male Rat Offspring against Hypertension Programmed by Combined Maternal High-Fructose Intake and Dioxin Exposure. 2020 , 21, | 11 |
| 702 | Gut microbiota and neuroinflammation in pathogenesis of hypertension: A potential role for hydrogen sulfide. 2020 , 153, 104677 | 15 |
| 701 | Probiotic Bifidobacterium breve prevents DOCA-salt hypertension. 2020 , 34, 13626-13640 | 17 |
| 700 | Nuts and their Effect on Gut Microbiota, Gut Function and Symptoms in Adults: A Systematic Review and Meta-Analysis of Randomised Controlled Trials. 2020 , 12, | 22 |
| 699 | Sleeve gastrectomy prevents hypertension associated with unique shifts in the gut microbiome. 2021 , 35, 5461-5467 | 2 |
| 698 | Gut microecology: Why our microbes could be key to our health. 2020 , 131, 110784 | 10 |
| 697 | The Gut Microbiome, Inflammation, and Salt-Sensitive Hypertension. 2020 , 22, 79 | 13 |
| 696 | Impact of Gut Microbiome on Hypertensive Patients With Low-Salt Intake: Shika Study Results. 2020 , 7, 475 | 2 |
| 695 | Gut metagenomics-derived genes as potential biomarkers of Parkinson's disease. 2020 , 143, 2474-2489 | 19 |
| 694 | Sacha inchi (L.) shell extract alleviates hypertension in association with the regulation of gut microbiota. 2020 , 11, 8051-8067 | 2 |
| 693 | Farnesoid X Receptor Agonists as Therapeutic Target for Cardiometabolic Diseases. 2020, 11, 1247 | 7 |
| 692 | Prebiotic administration modulates gut microbiota and faecal short-chain fatty acid concentrations but does not prevent chronic intermittent hypoxia-induced apnoea and hypertension in adult rats. 2020 , 59, 102968 | 7 |
| 691 | Gut microbiota metabolites as integral mediators in cardiovascular diseases (Review). 2020, 46, 936-948 | 8 |
| 690 | Nutrition, Bioenergetics, and Metabolic Syndrome. 2020 , 12, | 12 |

| 689 | Machine Learning Strategy for Gut Microbiome-Based Diagnostic Screening of Cardiovascular Disease. 2020 , 76, 1555-1562 | 21 |
|-----|---|----|
| 688 | Bidirectional interaction between intestinal microbiome and cancer: opportunities for therapeutic interventions. 2020 , 8, 31 | 13 |
| 687 | Dynamics of Fecal Microbiota with and without Invasive Cervical Cancer and Its Application in Early Diagnosis. 2020 , 12, | 8 |
| 686 | Study on the Effect of Huanglian Jiedu Decoction on the Composition of Gut Microflora in SD Rats Based on 16S rRNA Sequencing. 2020 , 2020, 8872439 | 1 |
| 685 | Dietary Fiber Intake Alters Gut Microbiota Composition but Does Not Improve Gut Wall Barrier Function in Women with Future Hypertensive Disorders of Pregnancy. 2020 , 12, | 3 |
| 684 | p38/JNK Is Required for the Proliferation and Phenotype Changes of Vascular Smooth Muscle Cells Induced by in Essential Hypertension. 2020 , 2020, 3123968 | 1 |
| 683 | The Earth Microbiome: Significance in Sustainable Development and Impact of Climate Changes. 2020 , 115-139 | |
| 682 | Stratification of athletes' gut microbiota: the multifaceted hubs associated with dietary factors, physical characteristics and performance. 2020 , 12, 1-18 | 19 |
| 681 | Distinct Features of Gut Microbiota in High-Altitude Tibetan and Middle-Altitude Han Hypertensive Patients. 2020 , 2020, 1957843 | 0 |
| 680 | Exploring the Preventive Effect and Mechanism of Senile Sarcopenia Based on "Gut-Muscle Axis". 2020 , 8, 590869 | 8 |
| 679 | Gut Microbiota Composition and Metabolites as the new Determinants of Cardiovascular Pathology Development. 2020 , 16, 277-285 | 1 |
| 678 | Gut microbiota dysbiosis in preeclampsia patients in the second and third trimesters. 2020 , 133, 1057-1065 | 11 |
| 677 | Metabolites and Hypertension: Insights into Hypertension as a Metabolic Disorder: 2019 Harriet Dustan Award. 2020 , 75, 1386-1396 | 14 |
| 676 | Integrative metagenomic and metabolomic analyses reveal severity-specific signatures of gut microbiota in chronic kidney disease. 2020 , 10, 5398-5411 | 28 |
| 675 | The Emerging Role of Gut Dysbiosis in Cardio-metabolic Risk Factors for Heart Failure. 2020 , 22, 38 | 15 |
| 674 | Oral administration of Lactobacillus fermentum post-weaning improves the lipid profile and autonomic dysfunction in rat offspring exposed to maternal dyslipidemia. 2020 , 11, 5581-5594 | 12 |
| 673 | The athletic gut microbiota. 2020 , 17, 24 | 65 |
| 672 | Dissecting genome-wide studies for microbiome-related metabolic diseases. 2020 , 29, R73-R80 | 1 |

| 671 | Variations of Gut Microbiome Profile Under Different Storage Conditions and Preservation Periods: A Multi-Dimensional Evaluation. 2020 , 11, 972 | 8 |
|-----|--|----------|
| 670 | A critical review on the relationship of herbal medicine, Akkermansia muciniphila, and human health. 2020 , 128, 110352 | 9 |
| 669 | Gut microbiota modulates stress-induced hypertension through the HPA axis. 2020, 162, 49-58 | 10 |
| 668 | Sleep fragmentation increases blood pressure and is associated with alterations in the gut microbiome and fecal metabolome in rats. 2020 , 52, 280-292 | 21 |
| 667 | Gut Microbial Metabolites and Blood Pressure Regulation: Focus on SCFAs and TMAO. 2020 , 35, 275-284 | 15 |
| 666 | Alteration in gut microbiota is associated with dysregulation of cytokines and glucocorticoid therapy in systemic lupus erythematosus. 2020 , 11, 1758-1773 | 24 |
| 665 | Human milk microbiota development during lactation and its relation to maternal geographic location and gestational hypertensive status. 2020 , 11, 1438-1449 | 10 |
| 664 | Alisol B 23-acetate attenuates CKD progression by regulating the renin-angiotensin system and gut-kidney axis. 2020 , 11, 2040622320920025 | 6 |
| 663 | Gut microbiota remodeling reverses aging-associated inflammation and dysregulation of systemic bile acid homeostasis in mice sex-specifically. 2020 , 11, 1450-1474 | 27 |
| 662 | Intestinal flora alterations in patients with early chronic kidney disease: a case-control study among the Han population in southwestern China. 2020 , 48, 300060520926033 | 10 |
| 661 | Core Fucosylation of Intestinal Epithelial Cells Protects Against Typhi Infection via Up-Regulating the Biological Antagonism of Intestinal Microbiota. 2020 , 11, 1097 | 6 |
| 660 | Disparate Effects of Diabetes and Hyperlipidemia on Experimental Kidney Disease. 2020 , 11, 518 | 2 |
| 659 | A metagenomic study of biliary microbiome change along the cholecystitis-carcinoma sequence. 2020 , 10, e97 | 4 |
| 658 | Characteristics of the urinary microbiome in kidney stone patients with hypertension. 2020 , 18, 130 | 10 |
| 657 | Environmental remodeling of human gut microbiota and antibiotic resistome in livestock farms. 2020 , 11, 1427 | 57 |
| 656 | There is No Distinctive Gut Microbiota Signature in the Metabolic Syndrome: Contribution of Cardiovascular Disease Risk Factors and Associated Medication. 2020 , 8, | 14 |
| 655 | The association between gut microbiome and erectile dysfunction: a community-based cross-sectional study in Japan. 2020 , 52, 1421-1428 | 2 |
| 654 | Composition of fecal microbiota in low-set rectal cancer patients treated with FOLFOX. 2020 , 11, 204062232 | 20904293 |

| 653 | Metabolomic profiling of metoprolol hypertension treatment reveals altered gut microbiota-derived urinary metabolites. 2020 , 14, 10 | 3 |
|-----|--|----|
| 652 | Inflammation in Neurological Disorders: The Thin Boundary Between Brain and Periphery. 2020 , 33, 191-210 | 27 |
| 651 | Effects of Probiotics on Patients with Hypertension: a Systematic Review and Meta-analysis. 2020 , 22, 1 | 14 |
| 650 | Effects of Probiotics on Patients with Hypertension: a Systematic Review and Meta-Analysis. 2020 , 22, 34 | 7 |
| 649 | Maternal Treatment With Captopril Persistently Alters Gut-Brain Communication and Attenuates Hypertension of Male Offspring. 2020 , 75, 1315-1324 | 29 |
| 648 | Crosstalk Between the Gut Microbiome and Bioactive Lipids: Therapeutic Targets in Cognitive Frailty. 2020 , 7, 17 | 12 |
| 647 | Engineering probiotics as living diagnostics and therapeutics for improving human health. 2020 , 19, 56 | 32 |
| 646 | Dysbiosis of gut microbiota in adult idiopathic membranous nephropathy with nephrotic syndrome. 2020 , 147, 104359 | 12 |
| 645 | Microbiota and Hypertension: Role of the Sympathetic Nervous System and the Immune System. 2020 , 33, 890-901 | 7 |
| 644 | Alterations of gut microbiota contribute to the progression of unruptured intracranial aneurysms. 2020 , 11, 3218 | 14 |
| 643 | The Human Microbiome and Its Impacts on Health. 2020 , 2020, 8045646 | 37 |
| 642 | Heat stress during late gestation disrupts maternal microbial transmission with altered offspring's gut microbial colonization and serum metabolites in a pig model. 2020 , 266, 115111 | 10 |
| 641 | Crystal structure of Akkermansia muciniphila peroxiredoxin reveals a novel regulatory mechanism of typical 2-Cys Prxs by a distinct loop. 2020 , 594, 1550-1563 | 4 |
| 640 | HIV, Sexual Orientation, and Gut Microbiome Interactions. 2020 , 65, 800-817 | 9 |
| 639 | Gut dysbiosis contributes to high fructose-induced salt-sensitive hypertension in Sprague-Dawley rats. 2020 , 75-76, 110766 | 5 |
| 638 | Genomic Determinants of Hypertension With a Focus on Metabolomics and the Gut Microbiome. 2020 , 33, 473-481 | 6 |
| 637 | Gut dysbiosis induces the development of pre-eclampsia through bacterial translocation. 2020 , 69, 513-522 | 50 |
| 636 | Hypertensive Rats Treated Chronically With N-Nitro-L-Arginine Methyl Ester (L-NAME) Induced Disorder of Hepatic Fatty Acid Metabolism and Intestinal Pathophysiology. 2019 , 10, 1677 | 10 |

| 635 | Corticosterone in High Salt-Induced Hypertension. 2020 , 126, 839-853 | 43 |
|-----|--|-----|
| 634 | Report of the National Heart, Lung, and Blood Institute Working Group on Hypertension: Barriers to Translation. 2020 , 75, 902-917 | 17 |
| 633 | Microbiota composition modulates inflammation and neointimal hyperplasia after arterial angioplasty. 2020 , 71, 1378-1389.e3 | 2 |
| 632 | High levels of fucosylation and sialylation of milk N-glycans from mothers with gestational diabetes mellitus alter the offspring gut microbiome and immune balance in mice. 2020 , 34, 3715-3731 | 5 |
| 631 | Establishing or Exaggerating Causality for the Gut Microbiome: Lessons from Human Microbiota-Associated Rodents. 2020 , 180, 221-232 | 171 |
| 630 | The Gastrointestinal Microbiome in Chronic Renal Diseases. 2020 , 7, 45-53 | |
| 629 | Probiotics Prevent Dysbiosis and the Rise in Blood Pressure in Genetic Hypertension: Role of Short-Chain Fatty Acids. 2020 , 64, e1900616 | 53 |
| 628 | The gut microbiota and its interactions with cardiovascular disease. 2020 , 13, 637-656 | 34 |
| 627 | Le transfert de microbiote fcal: quel potentiel thrapeutique dans le traitement des maladies mtaboliques?. 2020 , 34, 108-115 | |
| 626 | Encapsulation of probiotics in soybean protein-based microparticles preserves viable cell concentration in foods all along the production and storage processes. 2020 , 37, 242-253 | 9 |
| 625 | Characterization of native knee microorganisms using next-generation sequencing in patients undergoing primary total knee arthroplasty. 2020 , 27, 1113-1119 | 5 |
| 624 | Association of Trimethylamine, Trimethylamine N-oxide, and Dimethylamine with Cardiovascular Risk in Children with Chronic Kidney Disease. 2020 , 9, | 11 |
| 623 | Gut Microbiota as Diagnostic Tools for Mirroring Disease Progression and Circulating Nephrotoxin Levels in Chronic Kidney Disease: Discovery and Validation Study. 2020 , 16, 420-434 | 23 |
| 622 | Hypertension Is Associated With Intestinal Microbiota Dysbiosis and Inflammation in a Brazilian Population. 2020 , 11, 258 | 37 |
| 621 | Gut microbiota and metabolic syndrome. 2020 , 133, 808-816 | 35 |
| 620 | Contributions des bactfies commensales et de lEEe ^la cholestfolmie. 2020, 55, 39-46 | |
| 619 | Gut microbiome and cardiovascular disease. 2020 , 35, 207-218 | 10 |
| 618 | Different Types of Atrial Fibrillation Share Patterns of Gut Microbiota Dysbiosis. 2020 , 5, | 17 |

| 617 | Protective Effects of Short-Chain Fatty Acids on Endothelial Dysfunction Induced by Angiotensin II. 2020 , 11, 277 | 16 |
|-------------------|--|---------------|
| 616 | Microbiota in cerebrovascular disease: A key player and future therapeutic target. 2020 , 40, 1368-1380 | 14 |
| 615 | Interactions of probiotics and prebiotics with the gut microbiota. 2020 , 171, 265-300 | 18 |
| 614 | Altered gut microbial profile is associated with abnormal metabolism activity of Autism Spectrum Disorder. 2020 , 11, 1246-1267 | 53 |
| 613 | The microbiota protects against Pseudomonas aeruginosa pneumonia via 🛭 cell-neutrophil axis in mice. 2020 , 22, 294-302 | 1 |
| 612 | Characterisation of the gut microbial community of rhesus macaques in high-altitude environments. 2020 , 20, 68 | 9 |
| 611 | The Gut Microbiome and Schizophrenia: The Current State of the Field and Clinical Applications. 2020 , 11, 156 | 38 |
| 610 | The Role and Mechanism of Intestinal Flora in Blood Pressure Regulation and Hypertension Development. 2021 , 34, 811-830 | 10 |
| 609 | The influence of wasabi on the gut microbiota of high-carbohydrate, high-fat diet-induced hypertensive Wistar rats. 2021 , 35, 170-180 | 7 |
| 608 | Quantifying technical confounders in microbiome studies. 2021 , 117, 863-875 | 9 |
| | | |
| 607 | Altered gut microbiome associated with overactive bladder and daily urinary urgency. 2021, 39, 847-853 | 6 |
| 607 | Altered gut microbiome associated with overactive bladder and daily urinary urgency. 2021 , 39, 847-853 Gut-organ axis: a microbial outreach and networking. 2021 , 72, 636-668 | 6 37 |
| | | |
| 606 | Gut-organ axis: a microbial outreach and networking. 2021 , 72, 636-668 | 37 |
| 606 | Gut-organ axis: a microbial outreach and networking. 2021 , 72, 636-668 Diet-related gut microbial metabolites and sensing in hypertension. 2021 , 35, 162-169 A survey on predicting microbe-disease associations: biological data and computational methods. | 37 |
| 606 605 604 | Gut-organ axis: a microbial outreach and networking. 2021, 72, 636-668 Diet-related gut microbial metabolites and sensing in hypertension. 2021, 35, 162-169 A survey on predicting microbe-disease associations: biological data and computational methods. 2021, 22, | 37 10 4 |
| 606 605 604 | Gut-organ axis: a microbial outreach and networking. 2021, 72, 636-668 Diet-related gut microbial metabolites and sensing in hypertension. 2021, 35, 162-169 A survey on predicting microbe-disease associations: biological data and computational methods. 2021, 22, Gut microbial composition in patients with atrial fibrillation: effects of diet and drugs. 2021, 36, 105-114 | 37 10 4 |

| 599 | Communal living: glycan utilization by the human gut microbiota. 2021 , 23, 15-35 | 17 |
|-------------------|---|----|
| 598 | Dysbiosis, malnutrition and enhanced gut-lung axis contribute to age-related respiratory diseases. 2021 , 66, 101235 | 14 |
| 597 | New drug targets for hypertension: A literature review. 2021 , 1867, 166037 | 7 |
| 596 | Arabinoxylan combined with different glucans improve lipid metabolism disorder by regulating bile acid and gut microbiota in mice fed with high-fat diet. 2021 , 168, 279-288 | 8 |
| 595 | Gut Microbiota and Host Plasma Metabolites in Association with Blood Pressure in Chinese Adults. 2021 , 77, 706-717 | 5 |
| 594 | A review of a potential and promising probiotic candidate-Akkermansia muciniphila. 2021 , 130, 1813-1822 | 14 |
| 593 | Trimethylamine N-Oxide increases soluble fms-like tyrosine Kinase-1 in human placenta via NADPH oxidase dependent ROS accumulation. 2021 , 103, 134-140 | 5 |
| 592 | Effects of Diet-Modulated Autologous Fecal Microbiota Transplantation on Weight Regain. 2021 , 160, 158-173.e10 | 38 |
| 591 | Gut microbiota and hypertension. 2021 , 26, 620-628 | 2 |
| 590 | The microbiome and pregnancy complications. 2021 , 21-53 | |
| 589 | Beneficial effects of Dendrobium officinale on metabolic hypertensive rats by triggering the enteric-origin SCFA-GPCR43/41 pathway. 2021 , 12, 5524-5538 | 4 |
| | | |
| 588 | Ethnicity influences the gut microbiota of individuals sharing a geographical location: a cross-sectional study from a middle-income country. 2021 , 11, 2618 | 19 |
| 588 587 | Ethnicity influences the gut microbiota of individuals sharing a geographical location: a cross-sectional study from a middle-income country. 2021 , 11, 2618 Intestinal Microbiota in the SARS-CoV-2 Infection: What Is Known?. 2021 , 1327, 93-106 | 19 |
| Ť | cross-sectional study from a middle-income country. 2021 , 11, 2618 | |
| 587 | Intestinal Microbiota in the SARS-CoV-2 Infection: What Is Known?. 2021 , 1327, 93-106 | |
| 587 586 | Intestinal Microbiota in the SARS-CoV-2 Infection: What Is Known?. 2021 , 1327, 93-106 Research in Exercise Science and Gut Microbiota: A Two-way Relationship. 2021 , 308-308 | 1 |
| 587 586 585 | Intestinal Microbiota in the SARS-CoV-2 Infection: What Is Known?. 2021, 1327, 93-106 Research in Exercise Science and Gut Microbiota: A Two-way Relationship. 2021, 308-308 Targeting Gut Microbiota to Treat Hypertension: A Systematic Review. 2021, 18, Research Progress on the Relationship between Cerebral Infarction and Intestinal Microbiome. | 1 |

| 581 | Gut microbiome and its meta-omics perspectives: profound implications for cardiovascular diseases. 2021 , 13, 1936379 | 7 |
|-----|---|----|
| 580 | Implications of microbiota in the pathogenesis of diabetes mellitus and cardiovascular disease. 2021 , 159-184 | |
| 579 | Gut microbiota and hypertension, diabetes, and other cardiovascular risk factors. 2021, 375-390 | |
| 578 | Antibiotic Conditioning and Single Gavage Allows Stable Engraftment of Human Microbiota in Mice. 2021 , 2327, 281-291 | 1 |
| 577 | Microbiota and Estrogen Metabolism. 2021 , 27-27 | 0 |
| 576 | The gut microbiota as a target to control hyperuricemia pathogenesis: Potential mechanisms and therapeutic strategies. 2021 , 1-11 | 15 |
| 575 | Improvement of intestinal flora: accompany with the antihypertensive effect of electroacupuncture on stage 1 hypertension. 2021 , 16, 7 | 6 |
| 574 | Probiotic yogurt blunts the increase of blood pressure in spontaneously hypertensive rats remodeling of the gut microbiota. 2021 , 12, 9773-9783 | 4 |
| 573 | Essential hypertension is associated with changes in gut microbial metabolic pathways: A multi-site analysis of ambulatory blood pressure. | |
| 572 | Altered Gut Microbiota is Involved in the Anti-Hypertensive Effects of Vitamin C in Spontaneously Hypertensive Rat. 2021 , 65, e2000885 | 4 |
| 571 | Role of Gut Microbiota, Probiotics and Prebiotics in the Cardiovascular Diseases. 2021 , 26, | 30 |
| 570 | A cross-talk between gut microbiome, salt and hypertension. 2021 , 134, 111156 | 20 |
| 569 | New Insights into Stroke Prevention and Treatment: Gut Microbiome. 2021 , 1 | 5 |
| 568 | Innate Immune Cells and Hypertension: Neutrophils and Neutrophil Extracellular Traps (NETs). 2021 , 11, 1575-1589 | 3 |
| 567 | Study of growth, metabolism, and morphology of Akkermansia muciniphila with an in vitro advanced bionic intestinal reactor. 2021 , 21, 61 | 9 |
| 566 | Rapid gut dysbiosis induced by stroke exacerbates brain infarction in turn. 2021, | 40 |
| 565 | Pathophysiological Roles of Mucosal-Associated Invariant T Cells in the Context of Gut Microbiota-Liver Axis. 2021 , 9, | 1 |
| 564 | Enterococcus faecalis contributes to hypertension and renal injury in Sprague-Dawley rats by disturbing lipid metabolism. 2021 , 39, 1112-1124 | 3 |

| 563 | Clinical Study of Correlation for the Intestinal and Pharyngeal Microbiota in the Premature Neonates. 2021 , 9, 632573 | O |
|-----|--|----|
| 562 | Gut Microbiota-Derived Short-Chain Fatty Acids Facilitate Microbiota:Host Cross talk and Modulate Obesity and Hypertension. 2021 , 23, 8 | 15 |
| 561 | Mycophenolate mediated remodeling of gut microbiota and improvement of gut-brain axis in spontaneously hypertensive rats. 2021 , 135, 111189 | 2 |
| 560 | Altered Gut Microbiota and Its Metabolites in Hypertension of Developmental Origins: Exploring Differences between Fructose and Antibiotics Exposure. 2021 , 22, | 10 |
| 559 | Effects of altitude on human oral microbes. 2021 , 11, 41 | 5 |
| 558 | Integrated metagenome and metabolome analyses of blood pressure studies in early postmenopausal Chinese women. 2021 , 39, 1800-1809 | 1 |
| 557 | Pregnant women who develop preeclampsia have lower abundance of the butyrate-producer Coprococcus in their gut microbiota. 2021 , 23, 211-219 | 9 |
| 556 | Differences in the Microbial Composition of Hemodialysis Patients Treated with and without Eblockers. 2021 , 11, | О |
| 555 | Profile of gut flora in hypertensive patients with insufficient sleep duration. 2021, | О |
| 554 | Molecular Mechanisms of Obesity-Linked Cardiac Dysfunction: An Up-Date on Current Knowledge. 2021 , 10, | 17 |
| 553 | Mediterranean diet consumption affects the endocannabinoid system in overweight and obese subjects: possible links with gut microbiome, insulin resistance and inflammation. 2021 , 60, 3703-3716 | 9 |
| 552 | Fasting alters the gut microbiome reducing blood pressure and body weight in metabolic syndrome patients. 2021 , 12, 1970 | 26 |
| 551 | Gut Microbiome over a Lifetime and the Association with Hypertension. 2021 , 23, 15 | 3 |
| 550 | The microbiome in obstructive sleep apnea. 2021 , 44, | 7 |
| 549 | 'Statistical Irreproducibility' Does Not Improve with Larger Sample Size: How to Quantify and Address Disease Data Multimodality in Human and Animal Research. 2021 , 11, | 1 |
| 548 | Characterization of Gut Microbiome in Korean Patients with Metabolic Associated Fatty Liver Disease. 2021 , 13, | 4 |
| 547 | Gut microbiota in patients with newly diagnosed acromegaly: a pilot cross-sectional study. 2021 , 24, 600-610 | 4 |
| 546 | Restraint Stress in Hypertensive Rats Activates the Intestinal Macrophages and Reduces Intestinal Barrier Accompanied by Intestinal Flora Dysbiosis. 2021 , 14, 1085-1110 | 1 |

| 545 | TMA/TMAO in Hypertension: Novel Horizons and Potential Therapies. 2021, 14, 1117-1124 | 8 |
|-----|---|----|
| 544 | Recognizing the Benefits of Pre-/Probiotics in Metabolic Syndrome and Type 2 Diabetes Mellitus Considering the Influence of as a Key Gut Bacterium. 2021 , 9, | 22 |
| 543 | Tryptophan Metabolism and Gut-Brain Homeostasis. 2021 , 22, | 27 |
| 542 | Gestational gut microbial remodeling is impaired in a rat model of preeclampsia superimposed on chronic hypertension. 2021 , 53, 125-136 | 2 |
| 541 | Microbiome meta-analysis and cross-disease comparison enabled by the SIAMCAT machine learning toolbox. 2021 , 22, 93 | 26 |
| 540 | Interleukin 17A: Key Player in the Pathogenesis of Hypertension and a Potential Therapeutic Target. 2021 , 23, 13 | 6 |
| 539 | Exercise and food supplement of vitamin C ameliorate hypertension through improvement of gut microflora in the spontaneously hypertensive rats. 2021 , 269, 119097 | 6 |
| 538 | Role and Mechanism of Gut Microbiota in Human Disease. 2021 , 11, 625913 | 29 |
| 537 | Adverse effects of PM on cardiovascular diseases. 2021 , | 2 |
| 536 | The microbiome and rodent models of immune mediated diseases. 2021 , 32, 251-262 | 3 |
| 535 | Gut Microbiota and Environment in Coronary Artery Disease. 2021 , 18, | 5 |
| 534 | Hypertension: Do Inflammation and Immunity Hold the Key to Solving this Epidemic?. 2021 , 128, 908-933 | 14 |
| 533 | The Gut Microbiome in Hypertension: Recent Advances and Future Perspectives. 2021 , 128, 934-950 | 15 |
| 532 | Dietary influences on the Dahl SS rat gut microbiota and its effects on salt-sensitive hypertension and renal damage. 2021 , 232, e13662 | 5 |
| 531 | Human Stool Metabolome Differs upon 24 h Blood Pressure Levels and Blood Pressure Dipping Status: A Prospective Longitudinal Study. 2021 , 11, | 1 |
| 530 | Restructuring the Gut Microbiota by Intermittent Fasting Lowers Blood Pressure. 2021 , 128, 1240-1254 | 9 |
| 529 | Metabolic syndrome cannot mask the changes of faecal microbiota compositions caused by primary hepatocellular carcinoma. 2021 , 73, 73-80 | 4 |
| 528 | Characteristics and variation of fecal bacterial communities and functions in isolated systolic and diastolic hypertensive patients. 2021 , 21, 128 | 5 |

| 527 | FPR-1 (Formyl Peptide Receptor-1) Activation Promotes Spontaneous, Premature Hypertension in Dahl Salt-Sensitive Rats. 2021 , 77, 1191-1202 | 2 |
|-----|--|----|
| 526 | Invited review: Effect of antihypertensive fermented milks on gut microbiota. 2021 , 104, 3779-3788 | 2 |
| 525 | Astragalus membranaceus and Salvia miltiorrhiza ameliorates cyclosporin A-induced chronic nephrotoxicity through the "gut-kidney axis". 2021 , 269, 113768 | 8 |
| 524 | Effects of gut microbiota on atherosclerosis through hydrogen sulfide. 2021 , 896, 173916 | 6 |
| 523 | Role of the gut microbiota in type 2 diabetes and related diseases. 2021 , 117, 154712 | 32 |
| 522 | Could the Gut Microbiota Serve as a Therapeutic Target in Ischemic Stroke?. 2021 , 2021, 1391384 | 2 |
| 521 | Unconjugated p-cresol activates macrophage macropinocytosis leading to increased LDL uptake. 2021 , 6, | 2 |
| 520 | An Insight Into Intestinal Microbiota of Spontaneously Hypertensive Rats After Valsartan Administration. 2021 , 19, 15593258211011342 | 2 |
| 519 | Dietary Strategies for Management of Metabolic Syndrome: Role of Gut Microbiota Metabolites. 2021 , 13, | 14 |
| 518 | Gut Dysbiosis and Western Diet in the Pathogenesis of Essential Arterial Hypertension: A Narrative Review. 2021 , 13, | 6 |
| 517 | Pathophysiology of Hypertension: The Mosaic Theory and Beyond. 2021 , 128, 847-863 | 22 |
| 516 | Influence of Dietary Components and Traditional Chinese Medicine on Hypertension: A Potential Role for Gut Microbiota. 2021 , 2021, 5563073 | 2 |
| 515 | Microbiota and Metabolites as Factors Influencing Blood Pressure Regulation. 2021 , 11, 1731-1757 | O |
| 514 | Maternal microbiome in preeclampsia pathophysiology and implications on offspring health. 2021 , 9, e14875 | 4 |
| 513 | Gut microbiome diversity and composition is associated with hypertension in women. 2021 , 39, 1810-1816 | 5 |
| 512 | Characterization of Feces-Derived Bacterial Membrane Vesicles and the Impact of Their Origin on the Inflammatory Response. 2021 , 11, 667987 | 8 |
| 511 | Gut Microbiota Dysbiosis in Human Hypertension: A Systematic Review of Observational Studies. 2021 , 8, 650227 | 6 |
| 510 | Gut microbiota dysbiosis in stable coronary artery disease combined with type 2 diabetes mellitus influences cardiovascular prognosis. 2021 , 31, 1454-1466 | 2 |

| 509 | The Immunomodulatory Effect of the Gut Microbiota in Kidney Disease. 2021 , 2021, 5516035 | 11 |
|-----|---|----|
| 508 | Impact of Nutritional Epigenetics in Essential Hypertension: Targeting microRNAs in the Gut-Liver Axis. 2021 , 23, 28 | 1 |
| 507 | Desulfovibrio diazotrophicus sp. nov., a sulfate-reducing bacterium from the human gut capable of nitrogen fixation. 2021 , 23, 3164-3181 | 9 |
| 506 | Association Between Gut and Metabolic Syndrome is Dose-Dependent and Affected by Microbial Interactions: A Cross-Sectional Study. 2021 , 14, 2177-2188 | 9 |
| 505 | Sex differences in the intestinal microbiome: interactions with risk factors for atherosclerosis and cardiovascular disease. 2021 , 12, 35 | 4 |
| 504 | Diet, obesity, and the gut microbiome as determinants modulating metabolic outcomes in a non-human primate model. <i>Microbiome</i> , 2021 , 9, 100 | 12 |
| 503 | Caesarean delivery is associated with increased blood pressure in young adult offspring. 2021 , 11, 10201 | 1 |
| 502 | Cigarette smoking status alters dysbiotic gut microbes in hypertensive patients. 2021 , 23, 1431-1446 | 5 |
| 501 | Melatonin in Early Nutrition: Long-Term Effects on Cardiovascular System. 2021 , 22, | 7 |
| 500 | Distinct Gene Expression Profiles in Colonic Organoids from Normotensive and the Spontaneously Hypertensive Rats. 2021 , 10, | 3 |
| 499 | Microbiome-based disease prediction with multimodal variational information bottlenecks. | 0 |
| 498 | Positive influence of gut microbiota on the effects of Korean red ginseng in metabolic syndrome: a randomized, double-blind, placebo-controlled clinical trial. 2021 , 12, 177-197 | 4 |
| 497 | A catalog of tens of thousands of viruses from human metagenomes reveals hidden associations with chronic diseases. 2021 , 118, | 22 |
| 496 | Gut microbiota contributes to the development of hypertension in a genetic mouse model of systemic lupus erythematosus. 2021 , 178, 3708-3729 | 6 |
| 495 | Gut Microbiota: A Novel Regulator of Cardiovascular Disease and Key Factor in the Therapeutic Effects of Flavonoids. 2021 , 12, 651926 | 5 |
| 494 | Gut Microbiota: Critical Controller and Intervention Target in Brain Aging and Cognitive Impairment. 2021 , 13, 671142 | 6 |
| 493 | Subfractional Spectrum of Serum Lipoproteins and Gut Microbiota Composition in Healthy Individuals. 2021 , 9, | 0 |
| 492 | The effect of dietary fiber (oat bran) supplement on blood pressure in patients with essential hypertension: A randomized controlled trial. 2021 , 31, 2458-2470 | 6 |

| 491 | Chronic Intermittent Hypoxia Participates in the Pathogenesis of Atherosclerosis and Perturbs the Formation of Intestinal Microbiota. 2021 , 11, 560201 | 4 |
|-----|---|----|
| 490 | Relationship between gut microbiota and markers of myocardial fibrosis in with chronic heart failure with preserved ejection fraction. 2021 , 20, 2834 | О |
| 489 | Role of microbiota-derived short-chain fatty acids in nervous system disorders. 2021 , 139, 111661 | 21 |
| 488 | Exploring the Gut Microbiota and Cardiovascular Disease. 2021 , 11, | 2 |
| 487 | Effects of Baduanjin Exercise on Antihypertensive Medication Reduction in Older Patients with Hypertension: A Study Protocol for a Randomized Controlled Trial. 2021 , 2021, 8663022 | 1 |
| 486 | Hypoxia: The "Invisible Pusher" of Gut Microbiota. 2021 , 12, 690600 | 5 |
| 485 | Auricularia polytricha noodles prevent hyperlipemia and modulate gut microbiota in high-fat diet fed mice. 2021 , 10, 431-441 | 5 |
| 484 | Disturbed microbial ecology in Alzheimer's disease: evidence from the gut microbiota and fecal metabolome. 2021 , 21, 226 | 8 |
| 483 | Gut Microbiota Dysbiosis Is a Crucial Player for the Poor Outcomes for COVID-19 in Elderly, Diabetic and Hypertensive Patients. 2021 , 8, 644751 | 3 |
| 482 | Bifidobacterium reduction is associated with high blood pressure in children with type 1 diabetes mellitus. 2021 , 140, 111736 | 1 |
| 481 | Ethanol: striking the cardiovascular system by harming the gut microbiota. 2021, 321, H275-H291 | 1 |
| 480 | Washed Microbiota Transplantation Lowers Blood Pressure in Patients With Hypertension. 2021 , 11, 679624 | 2 |
| 479 | Altered synthesis of genes associated with short-chain fatty acids in the gut of patients with atrial fibrillation. 2021 , 22, 634 | 4 |
| 478 | Insights into health-promoting effects of Jew's ear (Auricularia auricula-judae). 2021 , 114, 552-569 | 2 |
| 477 | Streptococcal Exotoxin Streptolysin O Causes Vascular Endothelial Dysfunction Through PKC Activation. 2021 , 379, 117-124 | 1 |
| 476 | Influence of gut microbiome on the human physiology. 1 | 1 |
| 475 | Suppresses Colorectal Tumorigenesis by Inducing TLR2/NLRP3-Mediated M1-Like TAMs. 2021 , 9, 1111-1124 | 14 |
| 474 | The Role of Gut Microbiota in Hypertension Pathogenesis and the Efficacy of Antihypertensive Drugs. 2021 , 23, 40 | 2 |

| 473 | Metagenomic analysis revealed the potential role of gut microbiome in gout. 2021 , 7, 66 | 15 |
|-----|---|----|
| 472 | Bacterial-Induced Blood Pressure Reduction: Mechanisms for the Treatment of Hypertension the Gut. 2021 , 8, 721393 | 2 |
| 471 | Prenatal and infant antibiotic exposure and childhood growth, obesity and cardiovascular risk factors: The Rhea mother-child cohort study, Crete, Greece. 2022 , 17, e12843 | 0 |
| 470 | Next Generation Microbiome Research: Identification of Keystone Species in the Metabolic Regulation of Host-Gut Microbiota Interplay. 2021 , 9, 719072 | 2 |
| 469 | Gut Microbiota Dysbiosis as One Cause of Osteoporosis by Impairing Intestinal Barrier Function. 2021 , 1 | 1 |
| 468 | Gut Microbiota in Adipose Tissue Dysfunction Induced Cardiovascular Disease: Role as a Metabolic Organ. 2021 , 12, 749125 | 2 |
| 467 | Fecal Microbiota Transplantation as a Tool for Therapeutic Modulation of Non-gastrointestinal Disorders. 2021 , 8, 665520 | 3 |
| 466 | Gut Microbiota Has a Crucial Role in the Development of Hypertension and Vascular Dysfunction in Toll-like Receptor 7-Driven Lupus Autoimmunity. 2021 , 10, | 1 |
| 465 | Characterizing Enterotypes in Human Metagenomics: A Viral Perspective. 2021 , 12, 740990 | О |
| 464 | Immunosuppressive therapy after solid organ transplantation and the gut microbiota: Bidirectional interactions with clinical consequences. 2021 , | 2 |
| 463 | Gut Level Is a Predictive Marker for Coronary Atherosclerotic Lesions Progress and Prognosis in Patients With Acute Coronary Syndrome. 2021 , 11, 687827 | 2 |
| 462 | Full-Scale Clinical Data and Reshaped Intestinal Microbiome on a Short-Term Low-Phosphorus Diet among Healthy Adults. 2021 , 31, 448-458 | O |
| 461 | Rodent models of hypertension. 2021, | 3 |
| 460 | Cross-Sectional Study on the Gut Microbiome of Parkinson's Disease Patients in Central China. 2021 , 12, 728479 | О |
| 459 | Gut Microbiome, Functional Food, Atherosclerosis, and Vascular Calcifications-Is There a Missing Link?. 2021 , 9, | 4 |
| 458 | Chains of evidence from correlations to causal molecules in microbiome-linked diseases. 2021 , 17, 1046-1056 | 6 |
| 457 | Potassium Alginate Oligosaccharides Alter Gut Microbiota, and Have Potential to Prevent the Development of Hypertension and Heart Failure in Spontaneously Hypertensive Rats. 2021 , 22, | 1 |
| 456 | Central Administration of Hydrogen Sulfide Donor NaHS Reduces Iba1-Positive Cells in the PVN and Attenuates Rodent Angiotensin II Hypertension. 2021 , 15, 690919 | 2 |

| 455 | Remodelling of gut microbiota by Berberine attenuates trimethylamine N-oxide-induced platelet hyperreaction and thrombus formation. 2021 , 911, 174526 | 2 |
|-----|---|----|
| 454 | Essential Hypertension Is Associated With Changes in Gut Microbial Metabolic Pathways: A Multisite Analysis of Ambulatory Blood Pressure. 2021 , 78, 804-815 | 7 |
| 453 | Quantifying the impact of gut microbiota on inflammation and hypertensive organ damage. | 1 |
| 452 | ACE2 in the Gut: The Center of the 2019-nCoV Infected Pathology. 2021 , 8, 708336 | 3 |
| 451 | Associations between dental caries and systemic diseases: a scoping review. 2021 , 21, 472 | 4 |
| 450 | Advances in engineered biofilms and spores, and their applications in bioremediation, biocatalysis, and biomaterials. 2021 , 6, 180-191 | 9 |
| 449 | Common Metabolites in Two Different Hypertensive Mouse Models: A Serum and Urine Metabolome Study. 2021 , 11, | Ο |
| 448 | Gut dysbiosis and hypertension: is it cause or effect?. 2021 , 39, 1768-1770 | 2 |
| 447 | The Role of Short-Chain Fatty Acids of Gut Microbiota Origin in Hypertension. 2021 , 12, 730809 | 11 |
| 446 | Curcumin ameliorates hypertension via gut-brain communication in spontaneously hypertensive rat. 2021 , 429, 115701 | 4 |
| 445 | Gut microbiota dependent trimethylamine N-oxide aggravates angiotensin II-induced hypertension. 2021 , 46, 102115 | 18 |
| 444 | Antibiotics and fecal transfaunation differentially affect microbiota recovery, associations, and antibiotic resistance in lemur guts. 2021 , 3, 65 | 1 |
| 443 | Microbial Diversity and Abundance of Mediate the Associations Between Higher Intake of Flavonoid-Rich Foods and Lower Blood Pressure. 2021 , 78, 1016-1026 | 3 |
| 442 | Akkermansia muciniphila fermentation culture based on a novel bionic large intestine dynamic digestion model. 2021 , 43, 101260 | O |
| 441 | The Gut Microbiota and Their Metabolites in Human Arterial Stiffness. 2021 , 30, 1716-1725 | 3 |
| 440 | Acute effects of increased gut microbial fermentation on the hypoxic ventilatory response in humans. 2021 , 106, 748-758 | 2 |
| 439 | The Viral Janus: Viruses as Aetiological Agents and Treatment Options in Colorectal Cancer. 2020 , 10, 601573 | 4 |
| 438 | Mechanisms of infection by SARS-CoV-2, inflammation and potential links with the microbiome. 2021 , 16, 43-57 | 5 |

437 Antioxidant effect of gut microbiota on cardiovascular system. **2021**, 16, 15

| 436 | Role of the Microbiome in Cardiovascular Disease. 2021 , 225-250 | |
|-----|--|----|
| 435 | Novel insights in the relationship of gut microbiota and coronary artery diseases. 2021 , 1-13 | 3 |
| 434 | Dysbiosis of urine microbiota in obstructive urinary retention patients revealed by next-generation sequencing. 2021 , 20, 2 | O |
| 433 | Preparation, structural characteristics and physiological property of resistant starch. 2021, 95, 1-40 | 1 |
| 432 | Gut Microbial Dysbiosis and Cardiovascular Diseases. 2021 , | |
| 431 | Functional hydrocolloids, gut microbiota and health: picking food additives for personalized nutrition. 2021 , 45, | 5 |
| 430 | The Use of MALDI-TOF Mass Spectrometry to Analyze Commensal Oral Yeasts in Nursing Home Residents. 2021 , 9, | 4 |
| 429 | Risk Factors for Intestinal Barrier Impairment in Patients With Essential Hypertension. 2020 , 7, 543698 | O |
| 428 | Research Progress on the Influence of Gut Microbiota on Metabolic Syndrome-Associated Stroke. 2021 , 11, 3481-3486 | |
| 427 | Sequence Meets Function-Microbiota And Cardiovascular Disease. 2021, | 3 |
| 426 | Gender Differences in the Gut Microbiome and How These Affect Cardiovascular Diseases. 2018 , 89-100 | 4 |
| 425 | Introduction. 2020 , 1238, 1-10 | 1 |
| 424 | Gut Microbiota and Heart, Vascular Injury. 2020 , 1238, 107-141 | 8 |
| 423 | Identification and Antihypertension Study of Novel Angiotensin I-Converting Enzyme Inhibitory Peptides from the Skirt of Fermented with. 2021 , 69, 146-158 | 4 |
| 422 | Intestinal microbiota changes in Graves' disease: a prospective clinical study. 2020 , 40, | 8 |
| 421 | Short-chain fatty acids accompanying changes in the gut microbiome contribute to the development of hypertension in patients with preeclampsia. 2020 , 134, 289-302 | 36 |
| 420 | Antihypertensive effects of exercise involve reshaping of gut microbiota and improvement of gut-brain axis in spontaneously hypertensive rat. 2021 , 13, 1-24 | 17 |

| 419 | Gut Microbiota and Cardiovascular Diseases: A Critical Review. 2021 , 29, 195-204 | 10 |
|-----|---|-----|
| 418 | The nursing home elder microbiome stability and associations with age, frailty, nutrition and physical location. 2018 , 67, 40-51 | 41 |
| 417 | Shifts in gut microbiome and metabolome are associated with risk of recurrent atrial fibrillation. | 1 |
| 416 | Microbiome meta-analysis and cross-disease comparison enabled by the SIAMCAT machine-learning toolbox. | 3 |
| 415 | Fasting alters the gut microbiome with sustained blood pressure and body weight reduction in metabolic syndrome patients. | 4 |
| 414 | Patterns of Analytical Irreproducibility[In Multimodal Diseases. | 3 |
| 413 | A New Comprehensive Catalog of the Human Virome Reveals Hidden Associations with Chronic Diseases. | 0 |
| 412 | The Prevotella copri complex comprises four distinct clades that are underrepresented in Westernised populations. | 6 |
| 411 | A robust metatranscriptomic technology for population-scale studies of diet, gut microbiome, and human health. | 0 |
| 410 | Variations of gut microbiome profile under different storage conditions and preservation periods: A multi-dimensional evaluation. | 1 |
| 409 | The role of intestinal microbiota in cardiovascular disease. 2019 , 23, 2343-2350 | 79 |
| 408 | Microbial Peer Pressure: The Role of the Gut Microbiota in Hypertension and Its Complications. 2020 , 76, 1674-1687 | 19 |
| 407 | High dietary salt-induced dendritic cell activation underlies microbial dysbiosis-associated hypertension. 2019 , 5, | 50 |
| 406 | The gut microbiome and metabolic syndrome. 2019 , 129, 4050-4057 | 173 |
| 405 | Influence of fermented soy protein consumption on hypertension and gut microbial modulation in spontaneous hypertensive rats. 2020 , 39, 199-208 | 7 |
| 404 | Characterization of microbiota in systemic-onset juvenile idiopathic arthritis with different disease severities. 2019 , 7, 2734-2745 | 8 |
| 403 | Stool consistency is significantly associated with pain perception. 2017 , 12, e0182859 | 5 |
| 402 | Mycoplasma-associated multidrug resistance of hepatocarcinoma cells requires the interaction of P37 and Annexin A2. 2017 , 12, e0184578 | 6 |

| 401 | An altered fecal microbiota profile in patients with non-alcoholic fatty liver disease (NAFLD) associated with obesity. 2019 , 111, 275-282 | 28 |
|-----|--|-----|
| 400 | Association of gut microbiota composition and function with a senescence-accelerated mouse model of Alzheimer's Disease using 16S rRNA gene and metagenomic sequencing analysis. 2018 , 10, 4054-4065 | 30 |
| 399 | New Insights on the Beneficial Effects of the Probiotic Kefir on Vascular Dysfunction in Cardiovascular and Neurodegenerative Diseases. 2020 , 26, 3700-3710 | 8 |
| 398 | Akkermansia muciniphila is a new universal probiotic on the basis of live human commensal gut bacteria: the reality or legend?. 2019 , 105-115 | 1 |
| 397 | Potential benefits of garlic and other dietary supplements for the management of hypertension. 2020 , 19, 1479-1484 | 5 |
| 396 | Natural Compounds in the Modulation of the Intestinal Microbiota: Implications in Human Physiology and Pathology. | 0 |
| 395 | Analysis of microbiota in elderly patients with Acute Cerebral Infarction. 2019, 7, e6928 | 10 |
| 394 | Factors affecting the composition of the gut microbiota, and its modulation. 2019 , 7, e7502 | 158 |
| 393 | : is it the Holy Grail for ameliorating metabolic diseases?. 2021 , 13, 1984104 | 7 |
| 392 | Gut permeability is associated with hypertension and measures of obesity but not with Endothelial Dysfunction in South African youth 2021 , 21, 1172-1184 | 1 |
| 391 | Multispecies probiotics alter fecal short-chain fatty acids and lactate levels in weaned pigs by modulating gut microbiota. 2021 , 63, 1142-1158 | 2 |
| 390 | Beware of pharyngeal Fusobacterium nucleatum in COVID-19. 2021 , 21, 277 | 1 |
| 389 | The importance of age in compositional and functional profiling of the human intestinal microbiome. 2021 , 16, e0258505 | 1 |
| 388 | Gut microbiota dysbiosis contributes to the development of chronic obstructive pulmonary disease. 2021 , 22, 274 | 7 |
| 387 | Bacterial metabolites and cardiovascular risk in children with chronic kidney disease. 2021 , 8, 17 | 0 |
| 386 | Hypothalamic miR-204 Induces Alteration of Heart Electrophysiology and Neurogenic Hypertension by Regulating the Sympathetic Nerve Activity: Potential Role of Microbiota. 2021 , 13, e18783 | O |
| 385 | Gut Microbiota Composition and Fecal Metabolic Profiling in Patients With Diabetic Retinopathy. 2021 , 9, 732204 | 4 |
| 384 | Ruminal Microbes Exhibit a Robust Circadian Rhythm and Are Sensitive to Melatonin. 2021 , 8, 760578 | 1 |

| 383 | Associations of imbalance of intestinal flora with severity of disease, inflammatory factors, adiponectin, and vascular endothelial function of hypertension patients. 2021 , | 1 |
|---------------------------------|--|---|
| 382 | Using bacteriophages to characterize gut microbe interactions in situ. 2021 , 158, 110715 | |
| 381 | A metagenomic study of the gut microbiome in PTB'S disease. 2021 , 24, 104893 | О |
| 380 | Microbiome Profiling Using Shotgun Metagenomic Sequencing Identified Unique Microorganisms in COVID-19 Patients With Altered Gut Microbiota. 2021 , 12, 712081 | 5 |
| 379 | A next-generation probiotic: Akkermansia muciniphila ameliorates chronic stress-induced depressive-like behavior in mice by regulating gut microbiota and metabolites. 2021 , 105, 8411-8426 | 6 |
| 378 | Inflammatory Bowel Diseases Increase the Risk of Periprosthetic Joint Infection. 2021 , 104, | 2 |
| 377 | Intermodulation of gut-lung axis microbiome and the implications of biotics to combat COVID-19. 2021 , 1-17 | 3 |
| 376 | Shaping the gut microbiota by bioactive phytochemicals: An emerging approach for the prevention and treatment of human diseases. 2021 , 193, 38-38 | 5 |
| 375 | The role of in obesity, diabetes and atherosclerosis. 2021 , 70, | 7 |
| | | |
| 374 | The Relationship among Physical Activity, Intestinal Flora, and Cardiovascular Disease. 2021 , 2021, 3364418 | 1 |
| 374 373 | The Relationship among Physical Activity, Intestinal Flora, and Cardiovascular Disease. 2021 , 2021, 3364418 Bacteroides fragilis restricts colitis-associated cancer via negative regulation of the NLRP3 axis. 2021 , 523, 170-181 | 5 |
| | Bacteroides fragilis restricts colitis-associated cancer via negative regulation of the NLRP3 axis. | |
| 373 | Bacteroides fragilis restricts colitis-associated cancer via negative regulation of the NLRP3 axis. 2021 , 523, 170-181 | |
| 373 372 | Bacteroides fragilis restricts colitis-associated cancer via negative regulation of the NLRP3 axis. 2021, 523, 170-181 Gut Microbiota, a Rising Star in Hypertension. 2017, 4, metamicrobiomeR: an R package for analysis of microbiome relative abundance data using | |
| 373 372 371 | Bacteroides fragilis restricts colitis-associated cancer via negative regulation of the NLRP3 axis. 2021, 523, 170-181 Gut Microbiota, a Rising Star in Hypertension. 2017, 4, metamicrobiomeR: an R package for analysis of microbiome relative abundance data using zero-inflated beta GAMLSS and meta-analysis across studies using random effect models. | |
| 373 372 371 370 | Bacteroides fragilis restricts colitis-associated cancer via negative regulation of the NLRP3 axis. 2021, 523, 170-181 Gut Microbiota, a Rising Star in Hypertension. 2017, 4, metamicrobiomeR: an R package for analysis of microbiome relative abundance data using zero-inflated beta GAMLSS and meta-analysis across studies using random effect models. Lessons of microbiota. 2019, 2019, 4-12 | |
| 373 372 371 370 369 | Bacteroides fragilis restricts colitis-associated cancer via negative regulation of the NLRP3 axis. 2021, 523, 170-181 Gut Microbiota, a Rising Star in Hypertension. 2017, 4, metamicrobiomeR: an R package for analysis of microbiome relative abundance data using zero-inflated beta GAMLSS and meta-analysis across studies using random effect models. Lessons of microbiota. 2019, 2019, 4-12 Secondary Hypertension of Other Type. 2020, 683-748 | |

| 365 | Association of Dental Scaling with Lower Risk of Spontaneous Intracranial Haemorrhage: a Cohort Study in Taiwan. | |
|-------------|--|---|
| 364 | Study of growth, metabolism, and morphology of Akkermansia muciniphila with an in vitro advanced bionic intestinal reactor. | |
| 363 | Altering Early Life Gut Microbiota Has Long-Term Effect on Immune System and Hypertension in Spontaneously Hypertensive Rats. 2021 , 12, 752924 | 1 |
| 362 | Gut Microbiome in Chronic Coronary Syndrome Patients. 2021 , 10, | O |
| 361 | Impacts of Cigarette Smoking Status on Metabolomic and Gut Microbiota Profile in Male Patients With Coronary Artery Disease: A Multi-Omics Study. 2021 , 8, 766739 | 3 |
| 3 60 | The gut-cardiovascular connection: new era for cardiovascular therapy. 2021 , | Ο |
| 359 | Case Report: Miles Surgery Ameliorates High Blood Pressure in a Rectal Carcinoma Patient With Essential Hypertension. 2021 , 8, 762959 | |
| 358 | MICROBIOTA INTESTINALE E RISCHIO CARDIOVASCOLARE. 2019 , 3, | |
| 357 | Predictors of arterial hypertension in children (A Review). 2020 , 27, 123-135 | 1 |
| 356 | Peculiarities of the mouth and colum in the youth of annous age with arterial hypertension and metabolic disorders. 2020 , 65, 712-716 | |
| 355 | Effect of a probiotic on blood pressure in grade 1 hypertension (HYPRO): protocol of a randomized controlled study. 2020 , 21, 1032 | 3 |
| 354 | Body site-specific and disease-specific virulome in the human microbiome. | |
| 353 | Gut-brain-bone marrow axis in hypertension. 2021 , 30, 159-165 | 3 |
| 352 | Gut Microbiota and Risk for Atherosclerosis: Current Understanding of the Mechanisms. 2020 , 167-186 | |
| 351 | Arterial hypertension: The role of gut microbiota. 2020 , 25, 460-466 | 1 |
| 350 | Mutational signatures shift induced by chemotherapeutic agents, 5-Fluorouracil and Oxaliplatin, in the gut microbiome. | |
| 349 | Characterization of dynamic age-dependent changes and driver microbes in primate gut microbiota during host development and healthy aging via captive crab-eating macaque model. | 1 |
| 348 | Assessment of Ecosystem Services and Capabilities of Communities from different Scales and Niches - Implications on Sustainability Goals. 2020 , 4, | |

| 347 | . 2021, | O |
|-----|--|---|
| 346 | Glycan Biosynthesis Ability of Gut Microbiota Increased in Primary Hypertension Patients Taking Antihypertension Medications and Potentially Promoted by Macrophage-Adenosine Monophosphate-Activated Protein Kinase. 2021 , 12, 719599 | 1 |
| 345 | Desulfovibrio diazotrophica sp. nov., a sulphate reducing bacterium from the human gut capable of nitrogen fixation. | 1 |
| 344 | Incorporating genome-based phylogeny and functional similarity into diversity assessments helps to resolve a global collection of human gut metagenomes. | 1 |
| 343 | Influences of environmental factors during preeclampsia. 2020 , 319, R26-R32 | 5 |
| 342 | Obstructive sleep apnea and hypertension: the role of gut microbiome. 2020 , 66, 415-419 | 1 |
| 341 | Engineered : A promising agent against diseases (Review). 2020 , 20, 285 | 3 |
| 340 | Primary nursing intervention can improve the prognosis and postoperative quality of life of patients with hypertensive intracerebral hemorrhage undergoing minimally invasive surgery. 2021 , 13, 2955-2961 | |
| 339 | Consumption of Ultra-Processed Food and Blood Pressure in Korean Adults. 2021, | 1 |
| 338 | Disturbances of the Gut Microbiota, Sleep Architecture, and mTOR Signaling Pathway in Patients with Severe Obstructive Sleep Apnea-Associated Hypertension. 2021 , 2021, 9877053 | 2 |
| 337 | A Possible Perspective about the Compositional Models, Evolution, and Clinical Meaning of Human Enterotypes. 2021 , 9, | 1 |
| 336 | Which Microbes Like My Diet and What Does It Mean for My Heart?. 2021 , 13, | 1 |
| 335 | Effect of Lactobacillus dominance modified by Korean Red Ginseng on the improvement of Alzheimer's disease in mice. 2021 , | 1 |
| 334 | Hypotensive effect of captopril on deoxycorticosterone acetate-salt-induced hypertensive rat is associated with gut microbiota alteration. 2021 , | O |
| 333 | The oral microbiome in alcohol use disorder: a longitudinal analysis during inpatient treatment. 2022 , 14, 2004790 | 0 |
| 332 | An integrative understanding of the large metabolic shifts induced by antibiotics in critical illness. 2021 , 13, 1993598 | 2 |
| 331 | Effects of a high-phosphorus diet on the gut microbiota in CKD rats. 2021 , 43, 1577-1587 | 1 |
| 330 | Role of Biological Sex in the Cardiovascular-Gut Microbiome Axis 2021 , 8, 759735 | 6 |

| 329 | Antihypertensive effect of soybean bioactive peptides: A review 2021 , 62, 74-81 | 3 |
|---------------------------------|--|---|
| 328 | Engineered Akkermansia muciniphila: A promising agent against diseases (Review). 2020 , 20, 1-1 | 5 |
| 327 | Dyspepsia and Gut Microbiota in Female Patients with Postcholecystectomy Syndrome 2022 , 14, 41-56 | 1 |
| 326 | The Association of Plasma Trimethylamine N-Oxide with Coronary Atherosclerotic Burden in Patients with Type 2 Diabetes Among a Chinese North Population 2022 , 15, 69-78 | 1 |
| 325 | The Interaction between the Gut Microbiome and Bile Acids in Cardiometabolic Diseases 2022, 12, | 1 |
| 324 | Can data-driven approaches for dietary pattern assessment improve microbiome epidemiology research?. 2022 , | |
| 323 | The effects of angiotensin I-converting enzyme inhibitory peptide VGINYW and the hydrolysate of <code>Hactalbumin</code> on blood pressure, oxidative stress and gut microbiota of spontaneously hypertensive rats 2022 , | 3 |
| 322 | Pharmacomicrobiomics: Exploiting the Drug-Microbiota Interactions in Antihypertensive Treatment 2021 , 8, 742394 | 5 |
| 321 | Unlike Glycerophosphocholine or Choline Chloride, Dietary Phosphatidylcholine Does Not Increase Plasma TrimethylamineOxide Levels in Sprague-Dawley Rats 2022 , 12, | 1 |
| | | |
| 320 | Food-gut microbiota interactions. 2022 , 233-256 | |
| 320 319 | Food-gut microbiota interactions. 2022, 233-256 Duodenal microbiome changes in postmenopausal women: effects of hormone therapy and implications for cardiovascular risk 2022, 29, 264-275 | 2 |
| | Duodenal microbiome changes in postmenopausal women: effects of hormone therapy and | 2 |
| 319 | Duodenal microbiome changes in postmenopausal women: effects of hormone therapy and implications for cardiovascular risk 2022 , 29, 264-275 Why Do These Microbes Like Me and How Could There Be a Link with Cardiovascular Risk Factors?. | 2 |
| 319 | Duodenal microbiome changes in postmenopausal women: effects of hormone therapy and implications for cardiovascular risk 2022, 29, 264-275 Why Do These Microbes Like Me and How Could There Be a Link with Cardiovascular Risk Factors?. 2022, 11, Metformin ameliorates chronic colitis in a mouse model by regulating interferon-Eproducing | |
| 319 318 317 | Duodenal microbiome changes in postmenopausal women: effects of hormone therapy and implications for cardiovascular risk 2022, 29, 264-275 Why Do These Microbes Like Me and How Could There Be a Link with Cardiovascular Risk Factors?. 2022, 11, Metformin ameliorates chronic colitis in a mouse model by regulating interferon-Eproducing lamina propria CD4 T cells through AMPK activation 2022, 36, e22139 Theabrownin isolated from Pu-erh tea regulates Bacteroidetes to improve metabolic syndrome of | 1 |
| 319 318 317 316 | Duodenal microbiome changes in postmenopausal women: effects of hormone therapy and implications for cardiovascular risk 2022, 29, 264-275 Why Do These Microbes Like Me and How Could There Be a Link with Cardiovascular Risk Factors?. 2022, 11, Metformin ameliorates chronic colitis in a mouse model by regulating interferon-Eproducing lamina propria CD4 T cells through AMPK activation 2022, 36, e22139 Theabrownin isolated from Pu-erh tea regulates Bacteroidetes to improve metabolic syndrome of rats induced by HFSSD 2022, Pathophysiological mechanisms of hypertension development induced by fructose consumption | 2 |
| 319 318 317 316 315 | Duodenal microbiome changes in postmenopausal women: effects of hormone therapy and implications for cardiovascular risk 2022, 29, 264-275 Why Do These Microbes Like Me and How Could There Be a Link with Cardiovascular Risk Factors?. 2022, 11, Metformin ameliorates chronic colitis in a mouse model by regulating interferon-Eproducing lamina propria CD4 T cells through AMPK activation 2022, 36, e22139 Theabrownin isolated from Pu-erh tea regulates Bacteroidetes to improve metabolic syndrome of rats induced by HFSSD 2022, Pathophysiological mechanisms of hypertension development induced by fructose consumption 2022, | 2 |

| 311 | Hypertension promotes microbial translocation and dysbiotic shifts in the fecal microbiome of non-human primates 2022 , | 1 |
|-----|--|---|
| 310 | Gut Microbiome and Neuroinflammation in Hypertension 2022, 130, 401-417 | 6 |
| 309 | Selenium-enriched and ordinary green tea extracts prevent high blood pressure and alter gut microbiota composition of hypertensive rats caused by high-salt diet. 2022 , 11, 738-751 | 1 |
| 308 | Potential prebiotic effects of nonabsorptive components of Keemun and Dianhong black tea: an in vitro study. 2022 , 11, 648-659 | 1 |
| 307 | Role of the microbiota in hypertension and antihypertensive drug metabolism. 2021, | 2 |
| 306 | Calcitriol ameliorates damage in high-salt diet-induced hypertension: Evidence of communication with the gut-kidney axis 2021 , 15353702211062507 | 1 |
| 305 | Towards the biogeography of prokaryotic genes 2021, | 8 |
| 304 | Diet-gut microbiota interactions on cardiovascular disease 2022 , 20, 1528-1540 | 1 |
| 303 | Herbal medicines for the treatment of metabolic syndrome. 2022 , 139-191 | |
| 302 | Alterations in Gut Microbiota Are Correlated With Serum Metabolites in Patients With Insomnia Disorder 2022 , 12, 722662 | 2 |
| 301 | Next-generation probiotics - do they open new therapeutic strategies for cancer patients?. 2022 , 14, 2035659 | 3 |
| 300 | Microbiome Resilience and Health Implications for People in Half-Year Travel 2022, 13, 848994 | 1 |
| 299 | Effect of fecal microbiota transplantation on primary hypertension and the underlying mechanism of gut microbiome restoration: protocol of a randomized, blinded, placebo-controlled study 2022 , 23, 178 | 1 |
| 298 | The etiology of preeclampsia 2022 , 226, S844-S866 | 9 |
| 297 | A review on the effect of gut microbiota on metabolic diseases 2022 , 204, 192 | О |
| 296 | Microbiome and metabolome features of the cardiometabolic disease spectrum 2022, | 4 |
| 295 | Long-term high-fructose high-fat diet feeding elicits insulin resistance, exacerbates dyslipidemia and induces gut microbiota dysbiosis in WHHL rabbits 2022 , 17, e0264215 | О |
| 294 | Cardiovascular Inflammaging: Mechanisms and Translational Aspects 2022, 11, | 4 |

| 293 | Roles of oral microbiota and oral-gut microbial transmission in hypertension. 2022, | 0 |
|-------------|---|---|
| 292 | Mosaic theory revised: inflammation and salt play central roles in arterial hypertension 2022, | 1 |
| 291 | The Gut Microbiome and their Metabolites in Human Blood Pressure Variability. | O |
| 2 90 | The Role of Gut Microbiota in Neuropsychiatric Diseases - Creation of An Atlas-Based on Quantified Evidence 2022 , 12, 831666 | 2 |
| 289 | : from its critical role in human health to strategies for promoting its abundance in human gut microbiome 2022 , 1-21 | 8 |
| 288 | The Bridge Between Ischemic Stroke and Gut Microbes: Short-Chain Fatty Acids 2022 , 1 | O |
| 287 | Immunoregulatory Effect of Short-Chain Fatty Acids from Gut Microbiota on Obstructive Sleep Apnea-Associated Hypertension 2022 , 14, 393-405 | 1 |
| 286 | Application of omics in hypertension and resistant hypertension 2022, | 1 |
| 285 | Berberine Improves Vascular Dysfunction by Inhibiting Trimethylamine-N-oxide Regulating the Gut Microbiota in Angiotensin II-Induced Hypertensive Mice 2022 , 13, 814855 | O |
| 284 | First Application of Fecal Microbiota Transplantation in Adult Asperger Syndrome With Digestive Symptoms-A Case Report 2022 , 13, 695481 | 1 |
| 283 | Multi-Omics Analyses Characterize the Gut Microbiome and Metabolome Signatures of Soldiers Under Sustained Military Training 2022 , 13, 827071 | 1 |
| 282 | Inverse Association Between Variety of Proteins With Appropriate Quantity From Different Food Sources and New-Onset Hypertension 2022 , HYPERTENSIONAHA12118222 | O |
| 281 | Protective Effect of Coriander (L.) on High-Fructose and High-Salt Diet-Induced Hypertension: Relevant to Improvement of Renal and Intestinal Function 2022 , | O |
| 280 | The Role of the Gut Microbiota in the Development of Ischemic Stroke 2022 , 13, 845243 | O |
| 279 | Antihypertensive Therapy by ACEI/ARB Is Associated With Intestinal Flora Alterations and Metabolomic Profiles in Hypertensive Patients 2022 , 10, 861829 | |
| 278 | The Contribution of Gut Microbiota and Endothelial Dysfunction in the Development of Arterial Hypertension in Animal Models and in Humans 2022 , 23, | 2 |
| 277 | Nutraceuticals in the Modulation of the Intestinal Microbiota: Current Status and Future Directions 2022 , 13, 841782 | О |
| 276 | Bacteroides fragilis prevents aging-related atrial fibrillation in rats via regulatory T cells-mediated regulation of inflammation 2022 , 177, 106141 | 2 |

| 275 | Microbiota-targeted therapies in inflammation resolution 2022, 101599 | 1 |
|-------------|--|---|
| 274 | Gut microbiota in gastrointestinal diseases during pregnancy. 2022 , 10, 2976-2989 | 1 |
| 273 | The Potential of Gut Microbiota Metabolic Capability to Detect Drug Response in Rheumatoid Arthritis Patients 2022 , 13, 839015 | 0 |
| 272 | Dietary Nutrition and Gut Microbiota Composition in Patients With Hypertensive Disorders of Pregnancy 2022 , 9, 862892 | О |
| 271 | Impact of the Gastrointestinal Tract Microbiota on Cardiovascular Health and Pathophysiology 2022 , | О |
| 270 | Targeting NLRP3 inflammasome modulates gut microbiota, attenuates corticospinal tract injury and ameliorates neurobehavioral deficits after intracerebral hemorrhage in mice 2022 , 149, 112797 | 3 |
| 269 | Analysis of Gut Microbiota in Patients with Coronary Artery Disease and Hypertension 2021 , 2021, 7195082 | 1 |
| 268 | Characteristics of Intestinal Flora in Pregnant Women with Mild Thalassemia Revealed by Metagenomics. 2021 , 14, | |
| 267 | Population study of the gut microbiome: associations with diet, lifestyle, and cardiometabolic disease 2021 , 13, 188 | 1 |
| 266 | Gut microbiota modulation as a possible mediating mechanism for fasting-induced alleviation of metabolic complications: a systematic review 2021 , 18, 105 | 3 |
| 265 | Trimethylamine N-Oxide Promotes Autoimmunity and a Loss of Vascular Function in Toll-like Receptor 7-Driven Lupus Mice 2021 , 11, | 1 |
| 264 | Recent Insights into the Role of Gut Microbiota in Diabetic Retinopathy 2021 , 14, 6929-6938 | 4 |
| 263 | Transcriptomic and Metabolomic Profiling Reveals That KguR Broadly Impacts the Physiology of Uropathogenic Under Relevant Conditions 2021 , 12, 793391 | О |
| 262 | Characterization of Changes and Driver Microbes in Gut Microbiota During Healthy Aging Using a Captive Monkey Model 2021 , | 1 |
| 261 | The Bidirectional Signal Communication of Microbiota-Gut-Brain Axis in Hypertension 2021 , 2021, 8174789 | О |
| 2 60 | Bifidobacterium longum CCFM752 prevented hypertension and aortic lesion, improved antioxidative ability, and regulated gut microbiome in spontaneously hypertensive rats. | 1 |
| 259 | Atherosclerosis and depression. Obvious and non-obvious relationships. Part II. 2022 , 17, 14 | |
| 258 | Bibliometric and Visual Analysis on Metabolomics in Coronary Artery Disease Research 2022 , 9, 804463 | 1 |

| 257 | Aging Microbiota-Gut-Brain Axis in Stroke Risk and Outcome 2022, 130, 1112-1144 | 5 |
|-----|--|---|
| 256 | The Effect of Gut Microbe Dysbiosis on the Pathogenesis of Alzheimer's Disease (AD) and related conditions 2022 , | 0 |
| 255 | The relationship between the gut microbiota, benign prostatic hyperplasia, and erectile dysfunction 2022 , | 0 |
| 254 | Hypertension of Developmental Origins: Consideration of Gut Microbiome in Animal Models 2022 , 10, | 2 |
| 253 | The Emerging Role of the Gut Microbiome in Cardiovascular Disease: Current Knowledge and Perspectives. 2022 , 10, 948 | 1 |
| 252 | Cold exposure, gut microbiota, and hypertension: A mechanistic study 2022 , 155199 | 3 |
| 251 | Table_1.XLS. 2019 , | |
| 250 | Table_2.XLSX. 2019 , | |
| 249 | lmage_1.pdf. 2020 , | |
| 248 | Data_Sheet_1.docx. 2020 , | |
| 247 | lmage_1.TIF. 2019 , | |
| 246 | Image_2.TIF. 2019 , | |
| 245 | lmage_3.TIF. 2019 , | |
| 244 | Image_4.TIF. 2019 , | |
| 243 | lmage_5.TIF. 2019 , | |
| 242 | Image_6.TIF. 2019 , | |
| 241 | Table_1.DOCX. 2019 , | |
| 240 | Table_2.xlsx. 2019 , | |

(2022-2019)

Image_1.TIF. 2019, 239 Image_2.TIF. 2019, 238 Image_3.TIF. 2019, 237 Data_Sheet_1.docx. 2020, 236 Image_1.TIF. 2020, 235 Image_2.TIF. 2020, 234 Image_3.TIF. 2020, 233 Image_4.TIF. 2020, 232 Image_5.TIF. 2020, 231 Table_1.XLSX. 2018, 230 Data_Sheet_1.PDF. 2019, 229 Table_1.XLSX. 2019, 228 Data_Sheet_1.PDF. 2020, 227 Table_1.xls. **2020**, 226 Table_2.XLS. 2020, 225 224 Data_Sheet_1.PDF. 2020, Microbiota-derived tryptophan metabolites in vascular inflammation and cardiovascular disease.. 223 4 **2022**, 1 Recent advances in modulation of cardiovascular diseases by the gut microbiota.. 2022,

Individuals with sub-health status have obviously unbalanced structure of the intestinal flora: 221 analysis of 150 nursing staff members].. 2021, 41, 1870-1876 Host phenotype classification from human microbiome data is mainly driven by the presence of 220 microbial taxa.. 2022, 18, e1010066 Mutational Pattern Induced by 5-Fluorouracil and Oxaliplatin in the Gut Microbiome.. 2022, 13, 841458 219 Microbiota Transplantation in an Antibiotic-Induced Bacterial Depletion Mouse Model: 218 Reproducible Establishment, Analysis, and Application. 2022, 10, 902 Bladder Microbiota Are Associated with Clinical Conditions That Extend beyond the Urinary Tract. O 217 2022. 10. 874 Knowledge Mapping of the Links Between the Gut Microbiota and Heart Failure: A Scientometric 216 Investigation (2006-2021).. 2022, 9, 882660 Beyond the Gastrointestinal Tract: Oral and Sex-Specific Skin Microbiota Are Associated with 215 O Hypertension in Rats with Genetic Disparities.. 2022, Towards Strain-Level Complexity: Sequencing Depth Required for Comprehensive 214 Single-Nucleotide Polymorphism Analysis of the Human Gut Microbiome. 2022, 13, Intestinal Microbiota-Derived Short Chain Fatty Acids in Host Health and Disease.. 2022, 14, 213 4 Association between Gut Microbiota Dysbiosis and the CHA2DS2-VASc Score in Atrial Fibrillation 212 Patients. 2022, 2022, 1-10 Combined Microbiome and Metabolome Analysis Reveals a Novel Interplay Between Intestinal 211 O Flora and Serum Metabolites in Lung Cancer.. 2022, 12, 885093 Green and Oolong Tea Extracts With Different Phytochemical Compositions Prevent Hypertension 210 and Modulate the Intestinal Flora in a High-Salt Diet Fed Wistar Rats. 2022, 9, Antibiotics in elderly Chinese population and their relations with hypertension and pulse pressure.. 209 O 2022, Obstructive Sleep Apnea as a Risk Factor for COVID-19 Severity-The Gut Microbiome as a Common 208 Player Mediating Systemic Inflammation via Gut Barrier Dysfunction.. 2022, 11, Dietary strategies to promote the abundance of intestinal Akkermansia muciniphila, a focus on the 207 2 effect of plant extracts. 2022, 93, 105093 A randomized controlled trial for response of microbiome network to exercise and diet 206 intervention in patients with nonalcoholic fatty liver disease.. 2022, 13, 2555 Identification of a Gut Commensal That Compromises the Blood Pressure-Lowering Effect of Ester 205 4 Angiotensin-Converting Enzyme Inhibitors.. 2022, 101161HYPERTENSIONAHA12118711

Intestinal Flora: A Potential New Regulator of Cardiovascular Disease. 2022, 13, 753

204

203 Gut feelings: Associations of emotions and emotion regulation with the gut microbiome in women.

| 202 | Combination of Oxalobacter Formigenes and Veillonella Parvula in Gastrointestinal Microbiota Related to Bile-Acid Metabolism as a Biomarker for Hypertensive Nephropathy. 2022 , 2022, 1-14 | Ο | |
|-----|--|--------|---|
| 201 | Kitchen Diet vs. Industrial DietsImpact on Intestinal Barrier Parameters among Stroke Patients. 2022 , 19, 6168 | | |
| 200 | Gut microbiome mediates the protective effects of exercise after myocardial infarction. <i>Microbiome</i> , 2022 , 10, | 16.6 0 | |
| 199 | Prevotella species in the human gut is primarily comprised of Prevotella copri, Prevotella stercorea and related lineages. 2022 , 12, | 2 | |
| 198 | Akkermansia muciniphila: paradigm for next-generation beneficial microorganisms. | 13 | 3 |
| 197 | Bioactives in the Food Supply: Effects on CVD Health. | 0 | ı |
| 196 | Microglia-Mediated Neuroinflammation: A Potential Target for the Treatment of Cardiovascular Diseases. Volume 15, 3083-3094 | 8 | |
| 195 | Obese Individuals With and Without Phlegm-Dampness Constitution Show Different Gut Microbial Composition Associated With Risk of Metabolic Disorders. 2022 , 12, | 2 | |
| 194 | Moderation of gut microbiota and bile acid metabolism by chlorogenic acid improves high-fructose-induced salt-sensitive hypertension in mice. | O | |
| 193 | Evaluation of microbiome association models under realistic and confounded conditions. | 0 | |
| 192 | Fecal microbiota transplantation in the metabolic diseases: Current status and perspectives. 2022 , 28, 2546-2560 | O | |
| 191 | Dietary Influences on Gut Microbiota with a Focus on Metabolic Syndrome. | 2 | |
| 190 | Obstructive sleep apnea is associated with specific gut microbiota species and functions in the population-based Swedish CardioPulmonary bioImage Study (SCAPIS). | | |
| 189 | Gut Microbial Profile in Asymptomatic Gallstones. 13, | 0 | |
| 188 | Sodium Butyrate Modulates Blood Pressure and Gut Microbiota in Maternal Tryptophan-Free Diet-induced Hypertension Rat Offspring. 2022 , 109090 | 2 | |
| 187 | Gut microbiota is associated with dietary intake and metabolic markers in healthy individuals. | 0 | |
| 186 | 16S rRNA gene sequencing reveals an altered composition of gut microbiota in children with <i>Mycoplasma pneumoniae</i> pneumonia treated with azithromycin. 2022 , | O | |
| | | | |

| 185 | Modulation of the Gut Microbiota by Fufang-Zhenzhu-Tiaozhi Capsule Attenuates Hypertension Induced by a High-Fructose and High-Salt Diet. 12, | |
|-----|---|---|
| 184 | Reno-Protective Effect of Low Protein Diet Supplemented With Eketoacid Through Gut Microbiota and Fecal Metabolism in 5/6 Nephrectomized Mice. 9, | |
| 183 | Cross-Sectional Blood Metabolite Markers of Hypertension: A Multicohort Analysis of 44,306 Individuals from the COnsortium of METabolomics Studies. 2022 , 12, 601 | 0 |
| 182 | Gut Microbiota and Sex Hormones: Crosstalking Players in Cardiometabolic and Cardiovascular Disease. 2022 , 23, 7154 | O |
| 181 | Effects of the Lipid Profile, Type 2 Diabetes and Medication on the Metabolic SyndromeAssociated Gut Microbiome. 2022 , 23, 7509 | 0 |
| 180 | Gut firmicutes: Relationship with dietary fiber and role in host homeostasis. 1-16 | 3 |
| 179 | Probiotics: Protecting Our Health from the Gut. 2022 , 10, 1428 | 3 |
| 178 | Pathogenic or Therapeutic: The Mediating Role of Gut Microbiota in Non-Communicable Diseases. 12, | O |
| 177 | Polysaccharide, the Active Component of Dendrobium officinale, Ameliorates Metabolic Hypertension in Rats via Regulating Intestinal Flora-SCFAs-Vascular Axis. 13, | 0 |
| 176 | A Bibliometric Analysis of Research on the Links Between Gut Microbiota and Atherosclerosis. 9, | O |
| 175 | The role of microbiome: a novel insight into urolithiasis. 1-20 | |
| 174 | The Relationship Between Atrial Fibrillation and Intestinal Flora With Its Metabolites. 9, | 2 |
| 173 | The Role of Gut and Airway Microbiota in Pulmonary Arterial Hypertension. 13, | |
| 172 | How Dietary Fibre, Acting via the Gut Microbiome, Lowers Blood Pressure. | 1 |
| 171 | Association Between the Gut Microbiome and Their Metabolites With Human Blood Pressure Variability. 2022 , 79, 1690-1701 | 1 |
| 170 | Intestinal microbiota-derived membrane vesicles and their role in chronic kidney disease. 2022 , 1868, 166478 | O |
| 169 | The beneficial role of healthy microbiome in metabolic syndrome and cardiovascular health. 2022 , 109-124 | |
| 168 | Diosgenin exerts an antihypertensive effect in spontaneously hypertensive rats via $gut B$ rain communication. | O |
| | | |

| 167 | Salt-Sensitive Ileal Microbiota Plays a Role in Atrial Natriuretic Peptide Deficiency-Induced Cardiac Injury. 2022 , 14, 3129 | 2 |
|-----|---|---|
| 166 | Gut Microbiota Correlates With Clinical Responsiveness to Erythropoietin in Hemodialysis Patients With Anemia. 12, | 1 |
| 165 | Regulatory effect of gut microbes on blood pressure. | О |
| 164 | Quantifying the impact of gut microbiota on inflammation and hypertensive organ damage. | 1 |
| 163 | Microbiota-derived short-chain fatty acids: Implications for cardiovascular and metabolic disease. 9, | Ο |
| 162 | Alterations of gut microbiome, metabolome and lipidome in Takayasu arteritis. | Ο |
| 161 | Gut microbiota mediate vascular dysfunction in a murine model of sleep apnea: effect of probiotics. 2200002 | 3 |
| 160 | Gut Microbiota Patterns Predicting Long-Term Weight Loss Success in Individuals with Obesity Undergoing Nonsurgical Therapy. 2022 , 14, 3182 | O |
| 159 | Elucidation of Anti-Hypertensive Mechanism by a Novel Lactobacillus rhamnosus AC1 Fermented Soymilk in the Deoxycorticosterone Acetate-Salt Hypertensive Rats. 2022 , 14, 3174 | 2 |
| 158 | Effects of Spermidine on Gut Microbiota Modulation in Experimental Abdominal Aortic Aneurysm Mice. 2022 , 14, 3349 | O |
| 157 | Short-Chain Fatty Acid Receptors and Blood Pressure Regulation: Council on Hypertension Mid-Career Award for Research Excellence 2021. | О |
| 156 | Targeting Gut Microbiota as a Novel Strategy for Prevention and Treatment of Hypertension, Atrial Fibrillation and Heart Failure: Current Knowledge and Future Perspectives. 2022 , 10, 2019 | 3 |
| 155 | Hypertension of liver-yang hyperactivity syndrome induced by a high salt diet by altering components of the gut microbiota associated with the glutamate/GABA-glutamine cycle. 9, | О |
| 154 | Eucommia ulmoides bark extract reduces blood pressure and inflammation by regulating the gut microbiota and enriching the Parabacteroides strain in high-salt diet and N(omega)-nitro-L-arginine methyl ester induced mice. 13, | О |
| 153 | Gut Microbiota Modulation as a Novel Therapeutic Strategy in Cardiometabolic Diseases. 2022 , 11, 2575 | 1 |
| 152 | Analyzing the Complicated Connection Between Intestinal Microbiota and Cardiovascular Diseases. 2022 , | Ο |
| 151 | Emerging trends and focus for the link between the gastrointestinal microbiome and kidney disease. 12, | |
| 150 | Alterations of gut viral signals in atrial fibrillation: complex linkage with gut bacteriome. | |

| 149 | A multi-center, randomized, double-blinded, parallel, placebo-controlled study to assess the efficacy and safety of Shenqisuxin granule in complex coronary artery disease after PCI: Study protocol. 9, | O |
|-----|---|---|
| 148 | Resistance to Antihypertensive Drugs: Is Gut Microbiota the Missing Link?. 2022 , 79, 2138-2147 | O |
| 147 | Selective IgA Deficiency in Spontaneously Hypertensive Rats With Gut Dysbiosis. 2022 , 79, 2239-2249 | 3 |
| 146 | Antimicrobial peptide production in response to gut microbiota imbalance. 2022 , 157, 170865 | O |
| 145 | The fecal arsenic excretion, tissue arsenic accumulation, and metabolomics analysis in sub-chronic arsenic-exposed mice after in situ arsenic-induced fecal microbiota transplantation. 2023 , 854, 158583 | 0 |
| 144 | Gut Microbiota in Kawasaki Disease. 2022 , 181-195 | O |
| 143 | Role of microbial metabolites in cardiovascular and human health. 2022, 137-148 | 0 |
| 142 | Human microbiome and cardiovascular diseases. 2022, | O |
| 141 | Intestinal microbiomics and liver metabolomics insights into the preventive effects of chromium (III)-enriched yeast on hyperlipidemia and hyperglycemia induced by high-fat and high-fructose diet. 2022 , 5, 1365-1378 | 0 |
| 140 | Pathway and Genomics of Immunomodulator Natural Products. 2022 , 83-114 | O |
| 139 | Short-Chain Fatty Acids-A Healthy Bus between Gut Microbiota and Organs beyond the Gut. 2022 , 13, 362-387 | 0 |
| 138 | Gut Microbiome and Diet: Promising Approach for Treatment of Cognitive Impairment. 2022 , 195-209 | O |
| 137 | Study on the Relationship between Intestinal Flora and Coronary Heart Disease. 2022 , 12, 8823-8830 | O |
| 136 | Immune Cell Activation in Obesity and Cardiovascular Disease. | O |
| 135 | Reduced intestinal butyrate availability is associated with the vascular remodeling in resistance arteries of hypertensive rats. 13, | O |
| 134 | The effects of Aronia berry polyphenol supplementation on arterial function and the gut microbiome in middle aged men and women: Results from a randomized controlled trial. 2022 , | 1 |
| 133 | Research on Physical Health Monitoring and Management of University Students Based on Hadoop Swot. 2022 , 2022, 1-10 | О |
| 132 | The potential impact of a probiotic: Akkermansia muciniphila in the regulation of blood pressurethe current facts and evidence. 2022 , 20, | 0 |

| 131 | Pathophysiology and genetics of salt-sensitive hypertension. 13, | 0 |
|-----|--|---|
| 130 | The Enigma of Prevotella copri. 2022 , 64-68 | O |
| 129 | Long-term use of probiotics for the management of office and ambulatory blood pressure: A systematic review and meta-analysis of randomized, controlled trials. | O |
| 128 | Role of Postbiotics in Diet-Induced Metabolic Disorders. 2022 , 14, 3701 | O |
| 127 | Association of Gut Microbial Dysbiosis and Hypertension: A Systematic Review. 2022, | 0 |
| 126 | Intestinal imbalance in young people as a marker of chronic somatic diseases. 2022, 153-159 | O |
| 125 | Deeper insight into the role of IL-17 in the relationship beween hypertension and intestinal physiology. 2022 , 19, | 0 |
| 124 | Relationship Between Dietary Protein Intake and Gut Microbiome Composition in Community-Dwelling Older Men: Findings from the MrOS Study. | 1 |
| 123 | Akkermansia muciniphila ameliorates depressive disorders in murine alcohol-LPS (mALPS) model. | 0 |
| 122 | Catecholamines and Catecholamine Receptors in Cardiovascular Behavioral Medicine. 2022 , 891-909 | O |
| 121 | Comparative Metagenomics and Metabolomes Reveals Abnormal Metabolism Activity Is Associated with Gut Microbiota in Alzheimer Disease Mice. 2022 , 23, 11560 | 1 |
| 120 | Current Trends and Challenges of Fecal Microbiota TransplantationAn Easy Method That Works for All?. 2022 , 10, 2742 | 1 |
| 119 | Gut microbiome dysbiosis contributes to abdominal aortic aneurysm by promoting neutrophil extracellular trap formation. 2022 , 30, 1450-1463.e8 | 0 |
| 118 | Intestinal Microbiota Influence Doxorubicin Responsiveness in Triple-Negative Breast Cancer. 2022 , 14, 4849 | O |
| 117 | Captopril Alleviates Chondrocyte Senescence in DOCA-Salt Hypertensive Rats Associated with Gut Microbiome Alteration. 2022 , 11, 3173 | 0 |
| 116 | Causality of Opportunistic Pathogen Klebsiella pneumoniae to Hypertension Development. | 1 |
| 115 | The potential of tailoring the gut microbiome to prevent and treat cardiometabolic disease. | 1 |
| 114 | The metabolic, protective, and immune functions of Akkermansia muciniphila. 2022 , 127245 | 1 |

| 113 | Plasma Gut Microbe-Derived Metabolites Associated with Peripheral Artery Disease and Major Adverse Cardiac Events. 2022 , 10, 2065 | 1 |
|-----|---|---|
| 112 | The role of the gut microbiota in health and cardiovascular diseases. 2022 , 3, | 3 |
| 111 | Exploring Next Generation Probiotics for Metabolic and Microbiota Dysbiosis Linked to Xenobiotic Exposure: Holistic Approach. 2022 , 23, 12917 | 1 |
| 110 | Interferon Gamma contributes to the immune mechanisms of hypertension. 10.34067/KID.0001292022 | 1 |
| 109 | The Rehabilitation of Individuals With Gastrointestinal Issues Beyond Pelvic Floor Muscle Function: Considering a Larger Picture for Best Practice. 2022 , 46, 167-174 | О |
| 108 | Gut microbiota composition reflects disease progression, severity and outcome, and dysfunctional immune responses in patients with hypertensive intracerebral hemorrhage. 13, | O |
| 107 | Editing of a Specific Strain of Escherichia coli in the Mouse Gut Using Native Phages. | O |
| 106 | Introductory Chapter: Hypertension 🖪 Perspective. | O |
| 105 | Clostridium butyricum and Bifidobacterium pseudolongum Attenuate the Development of Cardiac Fibrosis in Mice. | 0 |
| 104 | Gut-Immune-Kidney Axis: Influence of Dietary Protein in Salt-Sensitive Hypertension. 2022 , 79, 2397-2408 | 1 |
| 103 | Role of Akkermansia muciniphila in the development of nonalcoholic fatty liver disease: current knowledge and perspectives. | О |
| 102 | Estrogen-mediated mechanisms in hypertension and other cardiovascular diseases. | O |
| 101 | Mechanisms and pharmacotherapy of hypertension associated with type 2 diabetes. 2022 , 206, 115304 | O |
| 100 | Acute liver injury progression is associated with dynamic enteric eubiosis alteration in mice. 2022 , 14, 100063 | O |
| 99 | Study on the differences of gut microbiota composition between phlegm-dampness syndrome and qi-yin deficiency syndrome in patients with metabolic syndrome. 13, | 0 |
| 98 | Kidney microbiota dysbiosis contributes to the development of hypertension. 2022 , 14, | O |
| 97 | Global trends in Akkermansia muciniphila research: A bibliometric visualization. 13, | О |
| 96 | What Are the Key Gut Microbiota Involved in Neurological Diseases? A Systematic Review. 2022 , 23, 13665 | 1 |

| 95 | Intestinal microbiota: A promising therapeutic target for hypertension. 9, | O |
|----|--|---|
| 94 | Gut Microbiota Associated with Gestational Health Conditions in a Sample of Mexican Women. 2022 , 14, 4818 | O |
| 93 | Gut microbiome studies in CKD: opportunities, pitfalls and therapeutic potential. | 2 |
| 92 | Washed microbiota transplantation improves patients with metabolic syndrome in South China. 12, | O |
| 91 | Sleep apnea is associated with the increase of certain genera of Ruminococcaceae and Lachnospiraceae in the gut microbiome of hypertensive patients. | 1 |
| 90 | Update on gut microbiota in cardiovascular diseases. 12, | 2 |
| 89 | Bibliometric and visual analysis of fecal microbiota transplantation research from 2012 to 2021. 12, | O |
| 88 | Melatonin ameliorates imidacloprid-induced intestinal injury by negatively regulating the PGN/P38MAPK pathway in the common carp (Cyprinus carpio). 2022 , 131, 1063-1074 | O |
| 87 | Roux-en-Y reconstruction alleviates radical gastrectomy-induced colitis via down-regulation of the butyrate/NLRP3 signaling pathway. 2022 , 86, 104347 | O |
| 86 | Bioinformatic methods for stratification of obese patients and identification of cancer susceptibility biomarkers based on the analysis of the gut microbiome. | O |
| 85 | Gut Microbiota and Metabolic Diseases. 2022 , 10, 113-141 | O |
| 84 | Mineralocorticoid receptor blockade improved gut microbiota dysbiosis by reducing gut sympathetic tone in spontaneously hypertensive rats. 2023 , 158, 114149 | O |
| 83 | Counter-regulatory renin-angiotensin system in hypertension: Review and update in the era of COVID-19 pandemic. 2023 , 208, 115370 | O |
| 82 | Review of the relationship and underlying mechanisms between the Qinghaillibet plateau and host intestinal flora. 13, | O |
| 81 | The potential role of intestinal dysbacteriosis-related genes in hypertension: a bridge for future targeted therapies. | О |
| 80 | Gut Microbiota and Cardiovascular System: An Intricate Balance of Health and the Diseased State. 2022 , 12, 1986 | 2 |
| 79 | Gut microbiome sheds light on the development and treatment of abdominal aortic aneurysm. 9, | 0 |
| 78 | A comparative study to determine the association of gut microbiome with schizophrenia in Zhejiang, China. 2022 , 22, | O |

| 77 | Gut microbiota in hypertensive patients with versus without obstructive sleep apnea. 2022 , 24, 1598-1605 | 1 |
|----------------|--|---|
| 76 | Machine learning for data integration in human gut microbiome. 2022 , 21, | 1 |
| 75 | Characteristics and Correlations of the Oral and Gut Fungal Microbiome with Hypertension. | 0 |
| 74 | Gut microbiome in PCOS associates to serum metabolomics: a cross-sectional study. 2022 , 12, | 1 |
| 73 | Gut-microbiome-based predictive model for ST-elevation myocardial infarction in young male patients. 13, | 0 |
| 7 ² | Maternal Zearalenone Exposure Affects Gut Microbiota and Follicular Development in Suckled Offspring. 2022 , 70, 15570-15582 | O |
| 71 | Exploring the Relevance between Gut Microbiota-Metabolites Profile and Chronic Kidney Disease with Distinct Pathogenic Factor. | 0 |
| 70 | Engineered probiotics Clostridium butyricum -pMTL007-GLP -1 improves blood pressure via producing GLP -1 and modulating gut microbiota in spontaneous hypertension rat models. | O |
| 69 | The Molecular Gut-Brain Axis in Early Brain Development. 2022 , 23, 15389 | 2 |
| 68 | Epigenetics and Gut Microbiota Crosstalk: A potential Factor in Pathogenesis of Cardiovascular Disorders. 2022 , 9, 798 | O |
| 67 | Immune mechanism of gut microbiota and its metabolites in the occurrence and development of cardiovascular diseases. 13, | O |
| 66 | The Role of Gut Bacteriome in Asthma, Chronic Obstructive Pulmonary Disease and Obstructive Sleep Apnoea. 2022 , 10, 2457 | O |
| 65 | The effect of gut microbiota dysbiosis on patients with preeclampsia. 12, | 0 |
| 64 | The oral microbiome in the pathophysiology of cardiovascular disease. | O |
| 63 | Expanded catalogue of metagenome-assembled genomes reveals resistome characteristics and athletic performance-associated microbes in horse. 2023 , 11, | 0 |
| 62 | Fecal Microbiota Transplantation Research over the Past Decade: Current Status and Trends. 2023 , 2023, 1-18 | O |
| 61 | Role of inflammation, immunity, and oxidative stress in hypertension: New insights and potential therapeutic targets. 13, | 1 |
| 60 | Jia-Wei-Si-Miao-Yong-An decoction modulates intestinal flora and metabolites in acute coronary syndrome model. 9, | O |

| 59 | Microbiota intestinal e südrome metablica: utilizali teraplitica de probilicos. 2023, 13, 1-24 | O |
|----|---|---|
| 58 | Bacteroides vulgatus Ameliorates Lipid Metabolic Disorders and Modulates Gut Microbial Composition in Hyperlipidemic Rats. | O |
| 57 | Protection effect of gut microbiota composition and acetate absorption against hypertension-induced damages on the longevity population in Guangxi, China. 9, | O |
| 56 | Effects of probiotics on hypertension. | O |
| 55 | Multi-Omics Data Analysis for Inflammation Disease Research: Correlation Analysis, Causal Analysis and Network Analysis. 2023 , 101-118 | 0 |
| 54 | A bibliometric analysis of studies on the gut microbiota in cardiovascular disease from 2004 to 2022. 12, | O |
| 53 | The gut microbiome and hypertension. | 1 |
| 52 | Effects of Losartan, Atorvastatin, and Aspirin on Blood Pressure and Gut Microbiota in Spontaneously Hypertensive Rats. 2023 , 28, 612 | 1 |
| 51 | Does the Composition of Gut Microbiota Affect Hypertension? Molecular Mechanisms Involved in Increasing Blood Pressure. 2023 , 24, 1377 | 0 |
| 50 | Gut mycobiome dysbiosis contributes to the development of hypertension and its response to immunoglobulin light chains. 13, | O |
| 49 | Influence of Butyrate on Impaired Gene Expression in Colon from Patients with High Blood Pressure. 2023 , 24, 2650 | 0 |
| 48 | Leveraging 16S rRNA data to uncover vaginal microbial signatures in women with cervical cancer. 13, | O |
| 47 | Gut microbiota in patients with kidney stones: a systematic review and meta-analysis. | 0 |
| 46 | Microbial transmission, colonisation and succession: from pregnancy to infancy. gutjnl-2022-328970 | 1 |
| 45 | Maternal-Child Microbiome and Impact on Growth and Neurodevelopment in Infants and Children: A Scoping Review. 109980042211511 | О |
| 44 | Microbial Therapy with Indigenous Bacteria: From Idea to Clinical Evidence. 2023 , 251-274 | O |
| 43 | Biosynthetic gene clusters of symbiotic gut microbiome in succession of human health. 2023 , 847-859 | 0 |
| 42 | Method for estimating disease risk from microbiome data using structural equation modeling. 14, | O |

| 41 | Dietary spirulina supplementation modifies rumen development, fermentation and bacteria composition in Hu sheep when consuming high-fat dietary. 10, | O |
|------------|---|---|
| 40 | Crosstalk between Gut Microbiota and Host Immunity: Impact on Inflammation and Immunotherapy. 2023 , 11, 294 | 1 |
| 39 | Gut Microbiome Composition in Dystonia Patients. 2023 , 24, 2383 | O |
| 38 | DysbiosisAn Etiological Factor for Cardiovascular Diseases and the Therapeutic Benefits of Gut Microflora. 2023 , 2023, 1-8 | O |
| 37 | Composition and Functional Capacity of Gut Microbes are Associated with Arterial Stiffness: A Prospective Study. Publish Ahead of Print, | O |
| 36 | Strain-specific effects of Akkermansia muciniphila on the regulation of intestinal barrier. 2023, 12, 1526-1537 | O |
| 35 | Gut microbiota axis: potential target of phytochemicals from plant-based foods. 2023 , 12, 1409-1426 | O |
| 34 | Dysbiotic microbiome variation in colorectal cancer patients is linked to lifestyles and metabolic diseases. 2023 , 23, | O |
| 33 | Sacubitril/valsartan mitigated intermittent hypoxia related intestinal microbiota alteration and aortic injury. | O |
| 32 | The gut microbial metabolite trimethylamine N-oxide and cardiovascular diseases. 14, | 1 |
| 31 | Fecal microbiome transplantation and tributyrin improves early cardiac dysfunction and modifies the BCAA metabolic pathway in a diet induced pre-HFpEF mouse model. 10, | O |
| 3 0 | Gut Microbiota in Patients with Postoperative Atrial Fibrillation Undergoing Off-Pump Coronary Bypass Graft Surgery. 2023 , 12, 1493 | О |
| 29 | Key Stratification of Microbiota Taxa and Metabolites in the Host Metabolic Health Disease Balance. 2023 , 24, 4519 | O |
| 28 | Excessive consumption of mucin by over-colonized Akkermansia muciniphila promotes intestinal barrier damage during malignant intestinal environment. 14, | O |
| 27 | Untargeted metabolomics unravel serum metabolic alterations in smokers with hypertension. 14, | 0 |
| 26 | Diets, Gut Microbiota and Metabolites. | O |
| 25 | Mechanismbased role of the intestinal microbiota in gestational diabetes mellitus: A systematic review and meta-analysis. 13, | 0 |
| 24 | Development of a simultaneous quantification method for the gut microbiota-derived core nutrient metabolome in mice and its application in studying host-microbiota interaction. 2023 , 1251, 341039 | O |

| 23 | Clostridium butyricum Prevents Dysbiosis and the Rise in Blood Pressure in Spontaneously Hypertensive Rats. 2023 , 24, 4955 | 0 |
|----|---|---|
| 22 | Sex Differences in Fatty Acid Metabolism and Blood Pressure Response to Dietary Salt in Humans. 2023 , 13, 33-46 | Ο |
| 21 | Gut microbiota and stroke: New avenues to improve prevention and outcome. | 0 |
| 20 | Role of the Gut Microbiome in the Development of Atherosclerotic Cardiovascular Disease. 2023 , 24, 5420 | Ο |
| 19 | Influence of intestinal microbiota on pathogenesis of cardiovacular diseases. 2023, 40, 94-107 | 0 |
| 18 | Comparative Gut Microbiome Differences between High and Low Aortic Arch Calcification Score in Patients with Chronic Diseases. 2023 , 24, 5673 | O |
| 17 | Intestinal Microbiomics in Physiological and Pathological Conditions. | Ο |
| 16 | Regulation of gut microbiota by vitamin C, vitamin E and Larotene. 2023, 169, 112749 | Ο |
| 15 | Predictive value of gut microbiota in long-term blood pressure control: a cross-sectional study. 2023 , 28, | 0 |
| 14 | Gut microbiota and hypertension: association, mechanisms and treatment. 2023 , 45, | Ο |
| 13 | Mark Coventry Award: Human Knee Has a Distinct Microbiome: Implications for Periprosthetic Joint Infection. 2023 , | 0 |
| 12 | Dissecting the causal effect between gut microbiota, DHA, and urate metabolism: A large-scale bidirectional Mendelian randomization. 14, | O |
| 11 | Is the Gut Microbiome Implicated in the Excess Risk of Hypertension Associated with Obstructive Sleep Apnea? A Contemporary Review. 2023 , 12, 866 | Ο |
| 10 | Hypertension and cellular senescence. | O |
| 9 | Gut Microbiota Dysbiosis and Increased NLRP3 Levels in Patients with Pregnancy-Induced Hypertension. 2023 , 80, | Ο |
| 8 | Gut microbiota dependant trimethylamine N-oxide and hypertension. 14, | O |
| 7 | Gut Microbiome Signature of Metabolically Healthy Obese Individuals According to Anthropometric, Metabolic and Inflammatory Parameters. | 0 |
| 6 | Role of the Microbiome in Gut-Heart-Kidney Cross Talk. 2023 , 132, 1064-1083 | O |

| 5 | Detection of Cardiovascular Disease Using Gut Microbiota Data. | О |
|---|---|---|
| 4 | Gut Microbiome in Post-COVID-19 Patients Is Linked to Immune and Cardiovascular Health Status but Not COVID-19 Severity. 2023 , 11, 1036 | O |
| 3 | Fermented Vegetables and Legumes vs. Lifestyle Diseases: Microbiota and More. 2023, 13, 1044 | О |
| 2 | Integrated Omic Analysis of Human Plasma Metabolites and Microbiota in a Hypertension Cohort. 2023 , 15, 2074 | O |
| 1 | Revitalizing myocarditis treatment through gut microbiota modulation: unveiling a promising therapeutic avenue. 13, | O |