

肠道菌群 | 2026-10 月度文献报告

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本月概览

这批文献的结构高度不均衡。顶端是两项在规模与设计质量上均高出一档的工作：Cell发表的多癌症混合队列研究与Nature发表的住院患者饮食-抗生素研究，分别在菌群与肿瘤的关联边界和饮食干预策略上推进了临床相关性。其余文献的主体是机制探索性工作，集中于菌群与脑、肺、免疫、肾、卵巢等靶器官的联动假说，FMT作为机制验证工具的使用频率继续上升。新型分类单元的培养描述和工程化纳米平台的动物模型测试代表领域向基础研究边界的持续延伸。本月没有出现在设计和规模上足以与前两篇比肩的第三项工作，这一落差值得注意。

值得细看的研究

真实世界混合癌症队列首次系统区分特异与非特异菌群关联

Cell发表的Mayo Clinic Cancer Microbiome研究是本批文献中证据强度最高的单项工作（PMID: 42810338）。队列包含1,364例癌症患者和287例健康对照，覆盖五个癌症类别。研究的方法论核心是建立一套框架，专门区分与特定癌症相关的菌群信号，以及仅与"患癌"状态、共病或人口统计学因素相关的非特异性信号——这是单癌种小规模研究在设计上无法做到的。在此框架下识别出341个肿瘤相关物种。

在具体发现层面：早发乳腺癌患者的粪便胆汁酸水平较低，并与*C. scindens*丰度的下降相关；早发结直肠癌中乳酸水平升高，*Veillonella parvula*富集。化疗毒性层面的发现临床相关性较强——编码二氢嘧啶脱氢酶的*Anaerostipes hadrus*与5-氟尿嘧啶诱导的腹泻呈保护性关联，直接指向菌群作为化疗副作用预测标志物的应用可能性。

该研究的意义不仅在于具体发现，更在于提供了方法论范本：任何声称发现"癌症相关"菌群信号的研究，今后都需要回答"这一信号是否仅反映患癌的一般状态"。作为横断面观察性队列，因果方向的确立仍需纵向和干预研究。

住院患者精细化饮食追踪将糖摄入量化为抗生素期间菌群失调的加剧因子

Nature发表的这项工作来自接受造血细胞移植的住院患者，共追踪了173例患者的9,419次餐次（PMID: 42816625）。贝叶斯推断应用于158例具有配对纵向菌群样本的患者，发现在抗生素暴露期间摄入甜食和糖类，与加剧的菌群失调相关——表现为 α 多样性降低和机会致病菌*Enterococcus*的扩增。小鼠实验进一步验证了蔗糖补充可增加并延长抗生素诱导的*Enterococcus*扩增。

在设计层面有几处值得肯定：住院环境提供了高精度的饮食追踪条件，纵向菌群采样允许个体内前后比较，动物实验和人群观察结论方向一致。主要局限来自人群的特异性：造血细胞移植患者处于极端免疫抑制和强效广谱抗生素暴露状态，与门诊患者使用短程抗生素的常见情境存在根本差异，作者也明确提出需要在独立队列中推广验证。

暴食障碍菌群-脑轴综述：迷走神经张力成为可测量的中间表型

这篇综述集中于暴食障碍（BED）——全球患病率最高的进食障碍——的肠道菌群介导通路（PMID: 42948641）。相较于泛性精神障碍与菌群关联的综述，本文锁定了BED特异性的菌群特征：*Pediococcus*、

Catenibacterium和Megasphaera等发酵菌群的减少，其中Pediococcus的减少与心脏迷走神经张力降低相关。在机制层面，细菌解酪蛋白酶B（caseinolytic protease B, ClpB）对 α -黑素细胞刺激素（ α -MSH）的分子拟态，提供了一条从菌群到饱腹感信号的具体通路假说。

迷走神经张力作为可量化的生理学指标，使这条假说具备了一定的可检验性。但综述所依据的临床观察数据仍以小规模相关性研究为主，因果链条的每个节点都需要专门的干预验证。

NIR光催化纳米酶通过调控肠道ILA水平改善帕金森病小鼠模型症状

Biomaterials报道了一个将螺旋藻（Spirulina platensis）与硫/钾共掺杂碳化氮（SKCN）结合的口服纳米平台（PMID: 42828843）。硫/钾共掺杂将碳化氮的带隙压缩至2.2 eV，赋予其近红外光催化活性，同时SKCN具有超氧化物歧化酶和过氧化氢酶的类酶活性。在MPTP诱导的帕金森病小鼠模型中，该平台改善了运动缺陷、胃肠功能障碍和多巴胺能神经元损失。16S rRNA测序和靶向代谢组学显示，SP@SKCN逆转了PD相关菌群变化，并恢复了MPTP诱导的吲哚-3-乳酸（ILA）水平下降。

该工作的贡献是把ROS清除、菌群调控和代谢物恢复整合进一个平台，并通过代谢组学将效应机制与ILA这一具体信号分子挂钩。ILA作为菌群-脑轴中间介质的研究潜力值得关注。证据完全基于小鼠模型，口服纳米材料在人体的安全性和药代动力学距离临床应用仍有根本性距离。

结直肠癌肿瘤菌群生物标志物系统综述：信号可重复，外部验证是缺口

该综述系统检索了2020年1月至2026年7月发表的人群研究（PMID: 42816164）。反复出现的信号包括Fusobacterium nucleatum、多物种面板、微生物基因和单核苷酸变异分类器。部分整合了粪便免疫化学检测、甲基化DNA或代谢组学的联合模型显示了性能改善，但获益不稳定。综述明确指出外部验证有限，这是整批文献中将菌群信号推进到临床诊断工具的核心瓶颈。

儿童急性淋巴细胞白血病菌群研究：直接证据与旁证的分层识别

这篇批判性综述保留了156份临床报告用于设计层面的评估（PMID: 42815789）。其主要方法论贡献是强调三类证据来源的不可混用：儿童ALL本身的直接观察证据、来自儿童造血干细胞移植的旁证，以及成人数据和外源性机制研究。高收入国家儿童ALL的长期生存率超过90%，感染和菌群相关并发症的临床意义因此尤为突出，但现有证据在样本量、测序方案异质性和年龄依赖性菌群成熟度方面存在系统性局限。

直肠癌术式选择对菌群影响的随机对照数据集

80例患者按随机分配至基于支架的转流技术（SDT, n=37）或回肠造口术（n=43），在术前和术后90天采集粪便样本（PMID: 42816498）。随机化设计使其在方法学质量上高于本批多数观察性菌群研究。目前以数据集描述为主，效应结论需由后续分析确立，但已公开的16S rRNA数据集具备独立复分析价值。

人类肠道四个新分类单元的培养描述

来自Clostridiaceae、Lachnospiraceae和Oscillospiraceae的四株厌氧菌获得了正式命名：Alvibacillus kangbaili（新属新种）、Dizhoua hominis（新属新种）、Jutongia huiwenae（新种）和Flintibacter aciditolerans（新种），均分离自健康中国成人粪便（PMID: 42822183）。四株菌均能产生短链脂肪酸，碳利用谱和酶活性谱各有差异。这类分类学工作是系统功能研究的前提，其转化价值取决于后续宿主

互作研究的跟进速度。

趋势判断

- 去混杂成为关联研究的新门槛。** Mayo Clinic队列（PMID: 42810338）最重要的贡献不是任何具体物种，而是框架本身：在大规模混合队列中控制共病和非特异性癌症状态，才能识别真正的癌种特异信号。这对既往大量小规模单癌种菌群关联研究提出了系统性质疑——即便信号真实，也需要在更大框架下重新定位其特异性。未来不控制这一层面的关联研究，结论的可信度将受到越来越强的质疑。

- FMT从干预手段向机制验证工具演化。** 本月多项研究将FMT作为验证菌群因果性的实验手段而非直接治疗：肝硬化-肝性脑病研究将患者菌群移植至小鼠以观察胆汁酸谱和行为学变化（PMID: 42813343），卵巢早衰研究以FMT实验证实菌群是NCG干预效果的关键中介（PMID: 42730993）。这一用法的规范化代表机制研究的成熟，但动物FMT能否真实模拟人类菌群生态仍是需要持续审视的方法学问题。

- 多轴框架的泛化与信号重叠。** "菌群-X轴"已成为本批文献近乎通用的叙事结构，覆盖脑、肺、免疫、肾、肌肉、卵巢等靶器官。然而，反复作为信号分子出现的是同一批代谢物——短链脂肪酸、胆汁酸、色氨酸代谢物在多个"轴"中均出现。这提示"轴"的划分更多是叙事组织方式而非独立生物学回路，信号的特异性而非通路的命名，才是后续机制研究真正需要回答的问题。

- 饮食因素的精度升级。**

从"膳食纤维有益"的笼统表述，到量化特定食物成分在特定临床情境下的效应（PMID: 42816625），代表了研究精度的方向性提升。同批文献中不同谷物加工方式对短链脂肪酸产生潜力的差异性影响（PMID: 42409563）也印证了这一趋势。下一步的关键问题是：这些效应能否在非极端临床情境中复现，以及最佳干预窗口期是否可定义。

这批研究的共同弱点

- 动物模型主导机制研究，人体相关性普遍悬而未决。** 纳米平台研究（PMID: 42828843）、卵巢早衰干预（PMID: 42730993）、益生菌菌株行为学研究（PMID: 42811794）等机制工作均以小鼠为唯一体内模型，且多使用近交系特定化学诱导模型（MPTP、环磷酰胺等）。这类模型在菌群组成、宿主免疫和肠道生理上与人类存在根本差异，"菌群介导"的结论能否在人体复现，这批文献没有提供直接证据，而跨越这道沟通常需要专门设计的临床研究。

- 16S rRNA方法的分辨率天花板。** 多数菌群分析使用16S rRNA扩增子测序，种级以下分辨率有限，功能注释依赖数据库推断而非实测，对低丰度物种检测敏感性不足。已公开数据集研究（PMID: 42816498）的再分析价值高度依赖原始操作的标准化程度。

- 临床研究人群的代表性问题。** 本月两项规模最大的人群研究都明确了外推局限：Nature队列参与者是接受造血细胞移植的住院患者（PMID: 42816625），处于极端医疗情境；Cell队列的横断面设计无法建立因果（PMID: 42810338）。儿童ALL综述也专门指出小样本和异质性测序方案是整个儿科菌群领域的系统性瓶颈（PMID: 42815789）。

- 干预研究的随访期偏短。** 多数动物干预实验的处理周期在数周以内，人群研究也多以短期替代终点为主——结直肠癌手术后菌群研究采集至术后90天（PMID: 42816498），慢传输便秘的疗效评估以首次排便时间等即时指标为主（PMID:

42813841)。菌群干预对宿主健康的长期效应，这批文献几乎没有提供有效证据。

- 生物标志物的外部验证缺口未能弥合。 **

结直肠癌菌群标志物综述明确指出外部验证有限、部分联合模型性能不稳定 (PMID: 42816164)。这是整个领域将菌群信号推进到临床可用工具的核心障碍，本月文献未出现突破这一瓶颈的研究。

下个月值得关注

- 早发乳腺癌和早发结直肠癌菌群特征的独立复现。 ** Mayo Clinic队列识别的C.

scindens-胆汁酸轴（早发乳腺癌）和Veillonella

parvula-乳酸轴（早发结直肠癌）是两个具体可检验的假说 (PMID: 42810338)。在规模相当、独立采集的队列中验证，是判断这些信号临床价值的必要前提，也是检验去混杂框架是否可迁移的机会。

- 抗生素期间限制糖摄入的干预试验设计。 **

Nature的观察性证据提供了一个有可操作性的饮食假说 (PMID: 42816625)。将其推进到随机对照试验，并在门诊短程抗生素使用者中验证，是检验这一发现是否具有普遍临床意义的关键步骤，也将回答移植患者的极端情境是否会放大效应量。

- 吲哚-3-乳酸在肠道-脑信号传导中的具体位置。 **

SP@SKCN通过恢复ILA水平改善帕金森病表型的发现 (PMID: 42828843)，指向了一个具体代谢物靶点。ILA的肠道来源菌群、血脑屏障通过能力及中枢作用机制目前均待系统梳理，这条线索能否形成独立于ROS清除的干预入口，值得跟踪。

- *Alvibacillus kangbaii*等新物种的功能基因组学表征。 **

四株新分类单元均产生短链脂肪酸，隶属于功能研究相对薄弱的科 (PMID: 42822183)。其宿主互作表型、在不同健康状态下的丰度变化，以及与已知功能物种的生态位关系，是分类学工作完成后的自然延续，直接决定这批新物种是否具有靶向价值。

附录：2026-10 全部收录文献（472 篇）

#	标题	期刊	日期	PMID
1	The gut-brain axis in Binge Eating Disorder: From microbial dysbiosis to vagal dysfunction and therapeutic intervention.	Gut microbes reports	2027	42948641
2	Near-infrared photocatalytic oral microalgae-carbon nitride-based nanozyme ameliorate Parkinson's disease via suppressing gut microbiota-indole-3-lactic acid-brain axis-mediated ne	Biomaterials	2026-Sep-3	42828843
3	Nanoparticles and the gut-microbiome: a dual strategy for oral brain delivery.	International journal of pharmaceutics	2026-Sep-3	42815656
4	From dysbiosis to precision supportive care: the gut microbiota-immune axis in pediatric acute lymphoblastic leukemia.	Critical reviews in oncology/hematology	2026-Sep-3	42815789
5	Qiguiyin Formula Combined with Fosfomycin Alleviates Lung Injury Induced by Pseudomonas Aeruginosa Infection via the Gut-Lung Axis.	Microbial pathogenesis	2026-Sep-3	42815862
6	Clinical translation of gut microbiome biomarkers and host immune dysregulation in colorectal neoplasia: a systematic review with Clinical and Molecular Pathology Prioritisation.	Journal of clinical pathology	2026-Sep-3	42816164
7	Dysbiotic microbiomes and the collapse of plant health.	Trends in microbiology	2026-Sep-3	42816241
8	[Antibiotic use following pediatric hematopoietic stem cell transplantation (SFGM-TC)].	Bulletin du cancer	2026-Sep-3	42816283
9	16S rRNA Datasets of Gut Microbiota in Stent-Based Diverting Technique and Ileostomy from A Prospective, Open-Label, Multicenter Randomized Controlled Trial.	Scientific data	2026-Sep-3	42816498
10	Sugar-rich foods exacerbate antibiotic-induced microbiome disruption.	Nature	2026-Sep-3	42816625
11	Molecular crosstalk of probiotics in gut health: A chemical perspective on metabolite-mediated pathways.	Food chemistry	2026-Sep-3	42398186
12	WIPButyrate produced by the Lycium ruthenicum polysaccharide alleviated sleep deprivation-induced chronic fatigue syndrome in mice through promoting microglial autophagy.	Food research international (Ottawa, Ont	2026-Sep-3	42409519
13	Anti-inflammatory and barrier-protective effects of metabolites from Lactobacillus co-fermentation with linoleic acid and human fecal microbiota.	Food research international (Ottawa, Ont	2026-Sep-3	42409547
14	Effects of different processing methods on the nutritional components and in vitro digestion and fermentation characteristics of foxtail millet (Setaria italica).	Food research international (Ottawa, Ont	2026-Sep-3	42409563
15	Deciphering underground decarboxylase activity towards N ε -modified lysine derivatives in enterobacteria.	Food chemistry	2026-Sep-3	42418876
16	Gut Microbiota-Derived Short-Chain Fatty Acids Driven by N-Carbamylglutamate Alleviates Premature Ovarian Failure Through Suppressing Ferroptosis.	FASEB journal : official publication of	2026-Sep-3	42730993
17	Lactobacillus and Tryptophan Supplementation Improve Renal Function and are Associated with Metabolomic Alterations in a Mouse Model of Chronic Kidney Disease.	Probiotics and antimicrobial proteins	2026-Sep-3	42811197
18	Anti-inflammatory activity of Chlorella polysaccharide AHP.	Molecular and cellular biochemistry	2026-Sep-3	42811240

#	标题	期刊	日期	PMID
19	Lactobacillus reuteri ATG-F4 alleviates behavioral impairment induced by chronic stress.	The Korean journal of physiology & p	2026-Sep-3	42811794
20	Dynamics of human milk oligosaccharide (HMO) composition during different lactation stages and correlation with the infant gut microbiota.	Analytical methods : advancing methods a	2026-Sep-3	42811907
21	Gut Microbiota-Bile Acid Axis Correlates With Colonic Inflammation and Behavioral Deficits in Cirrhosis.	Journal of digestive diseases	2026-Sep-3	42813343
22	Familial occurrence of multiple sclerosis - current state of knowledge.	Neurologia i neurochirurgia polska	2026-Sep-3	42813438
23	Alleviative Effects of Low-Dose Lactulose Combined with Bacillus pumilus NJAUYBN1-7 on Slow Transit Constipation in Loperamide-Induced Mice.	Journal of applied microbiology	2026-Sep-3	42813841
24	Brain-Gut Axis Perspective on Irritable Bowel Syndrome: The Role of Gut Microbiota and Therapeutic Strategies of Traditional Chinese Medicine.	The American journal of Chinese medicine	2026-Sep-3	42814405
25	Identification and characterization of four novel gut bacterial taxa: Alviibacillus kangbaii gen. nov., sp. nov., Jutongia huiwenae sp. nov., Flintibacter aciditolerans sp. nov., an	Systematic and applied microbiology	2026-Sep-2	42822183
26	Combined Gemcitabine and Nab-Paclitaxel Treatment Restores Gut Microbiota Homeostasis in an Orthotopic Pancreatic Ductal Adenocarcinoma Mouse Model.	Cancer research and treatment	2026-Sep-2	42822514
27	Lactiplantibacillus plantarum as a Biosafe Microbial Bridge in the Gut-Environment Continuum.	Probiotics and antimicrobial proteins	2026-Sep-2	42809174
28	Immunomodulatory Function of Soluble Dietary Fiber: Toward Application for Prevention and Treatment of Food Allergies.	Current allergy and asthma reports	2026-Sep-2	42809189
29	The role of gut microbiota-immune axis in swallowing dysfunction and nursing interventions.	Acta microbiologica et immunologica Hung	2026-Sep-2	42809341
30	Microbiome signatures linked to cancer and treatment adverse events in a real-world cohort.	Cell	2026-Sep-2	42810338
31	Gut microbiota primes stroke severity via the AHR in intestinal dendritic cells.	Cell	2026-Sep-2	42810339
32	Microbial aldehyde-alcohol dehydrogenase degrades metformin to limit therapeutic response in type 2 diabetes.	Cell metabolism	2026-Sep-2	42810351
33	GLT-1 and alcohol.	Alcohol (Fayetteville, N.Y.)	2026-Sep-2	42810699
34	Screening of known gut microbiome-derived metabolites in anti-tumor immunity of colorectal cancer.	Journal for immunotherapy of cancer	2026-Sep-2	42810811
35	Wei-Tong-Xin decoction targets CD8+ T cell-driven colitis via gut microbiota and linoleic acid modulation: an integrated omics study.	Phytomedicine : international journal of	2026-Sep-2	42830016
36	Deconstructing the microbiota-gut-brain axis in multiple sclerosis: from a barrier-immune-metabolic framework to emerging therapeutics.	Multiple sclerosis and related disorders	2026-Sep-2	42815168
37	Mechanistic interactions between inflammatory bowel disease and obstructive sleep apnea.	Sleep medicine reviews	2026-Sep-2	42809922
38	Physcion attenuates renal fibrosis by disrupting PKM2-FAK1 interaction and suppressing the FAK1/ERK signaling axis.	Phytomedicine : international journal of	2026-Sep-2	42815262

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39	Acid-Lowering Agents in Functional Dyspepsia: Assessing the Role and Effectiveness of Proton Pump Inhibitors and Beyond.	Journal of neurogastroenterology and mot	2026-Oct-3	42954006
40	Small-Intestinal Motility Interrelates With Fecal Microbiota, Metabolites and Metabolic Tissue Gene Expression in Metabolic Dysfunction-Associated Steatotic Liver Disease.	Journal of neurogastroenterology and mot	2026-Oct-3	42954017
41	Glymphatic Dysfunction as a Multisystem Pathway Linking Systemic Health Conditions to Alzheimer's Disease: Mechanisms, Risk Factors, and Therapeutic Opportunities.	Molecular neurobiology	2026-Oct-3	42957838
42	Identification of characteristic markers in <i>Castanopsis fissa</i> honey and its anti-inflammatory mechanism in ulcerative colitis: a multi-strategy approach.	Journal of the science of food and agric	2026-Oct-3	42958924
43	Changes in respiratory and gut microbiota in asthma and depression associate with disease markers.	Microbiology spectrum	2026-Oct-3	42961062
44	Effects of a dry-heated whey protein isolate-glucose preparation on colonic homeostasis in mice.	Food & function	2026-Oct-3	42961178
45	Gut microbiota metabolism of jabuticaba peel extract and associated short-chain fatty acid production across different BMI categories.	Food & function	2026-Oct-3	42961368
46	Gut microbiota generate dinitrosyl iron complexes with cardiometabolic benefits.	Cell	2026-Oct-2	42617596
47	Structural characterization of longan polysaccharide and its modulation of gut microbiota and metabolic profiles.	International journal of biological macr	2026-Oct-2	42956874
48	A pectic polysaccharide from <i>Lonicera japonica</i> alleviates DNCB-induced atopic dermatitis-like inflammation associated with gut microbial and metabolic alterations and reduced cutan	Journal of ethnopharmacology	2026-Oct-2	42957112
49	Artificial intelligence applications in microbiota-gut-brain axis research: Implications for Alzheimer's disease.	Journal of Alzheimer's disease : JAD	2026-Oct-2	42957639
50	Tryptophan metabolism within the gut-brain axis in depression: mechanisms, association with heterogeneity, and therapeutic opportunities.	Molecular psychiatry	2026-Oct-2	42957828
51	Human milk oligosaccharide (2'-FL) modifies the gut microbiome in children after bone marrow transplant.	Blood	2026-Oct-2	42622257
52	Exploring Gut Microbial Metabolic Signatures Associated with the Gut-Lung Axis in Lung Adenocarcinoma.	Current medical science	2026-Oct-2	42955547
53	Multi-omics, multi-tissue analysis reveal role of extracellular matrix remodeling and sphingolipid homeostasis in edematous malnutrition (kwashiorkor).	Biomarker research	2026-Oct-2	42958441
54	Role of probiotics in neonatal care: From molecular mechanisms to clinical practice.	Clinical nutrition ESPEN	2026-Oct-2	42951109
55	CCD052, a novel small-molecule agent targeting <i>Clostridioides difficile</i> .	International journal of antimicrobial a	2026-Oct-2	42951218
56	<i>Clostridium perfringens</i> Delta toxin targets CD9 to drive NEC and brain injury.	Nature	2026-Oct-2	42951958
57	Microbiome-Mediated Pharmacokinetics and Informed Dosing of Mycophenolate in Kidney Transplantation.	Clinical pharmacokinetics	2026-Oct-2	42955188
58	Gut Microbiome Signatures and Immune Checkpoint Inhibitor Response in Gastrointestinal Cancers: Reproducibility and Translational Readiness.	Current oncology reports	2026-Oct-2	42955203

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59	Roles and mechanisms of Pueraria lobata radix in metabolic dysfunction-associated steatotic liver disease.	Journal of ethnopharmacology	2026-Oct-2	42173416
60	The gut microbiota-IPA axis mediated by catalpol alleviates DSS-induced colitis through AhR activation.	Naunyn-Schmiedeberg's archives of pharma	2026-Oct-2	42946849
61	Multiple Exposures to Antibiotics Affect Tumor Development in a Mouse Model of Early-Onset Colorectal Cancer.	Carcinogenesis	2026-Oct-2	42947647
62	PPAR γ /P21 Signaling Mediates Butyrate-Driven Protection against Aging-Related Endothelial Dysfunction: A Novel Effect of Soybean Polysaccharide via the Gut-Vascular Axis.	Journal of agricultural and food chemist	2026-Oct-2	42949332
63	Antibiotics and outcomes of cancer immunotherapy: An updated meta-analysis and clinical applications.	Cancer cell	2026-Oct-2	42945960
64	Lactose, Lactose Maldigestion and Lactose Intolerance: Definitions, Misunderstandings, Mechanisms, and Public Health Implications.	Advances in nutrition (Bethesda, Md.)	2026-Oct-2	42946056
65	Exploration of the therapeutic mechanisms of nuciferine in polyendocrine metabolic ovarian syndrome treatment based on multi-omics approaches.	Genomics	2026-Oct-2	42946178
66	Gut microbiota vesicle reprogramming by Ganoderma lucidum polysaccharide alleviates mycoplasmal pneumonia via the gut-lung axis.	Proceedings of the National Academy of S	2026-Oct-2	42900711
67	Aerobic exercise training alters gastrointestinal microbiota and enhances exercise capacity in UM-HET3 mice.	GeroScience	2026-Oct-2	42934476
68	Plant Polyphenol-Polysaccharide Complexes for Inflammatory Bowel Disease: Molecular Interactions, Nano-Delivery Design, and Translational Evidence.	Nutrition reviews	2026-Oct-2	42937361
69	Gut bacterial-derived beneficial proteins in intestinal disease.	Microbiological research	2026-Oct-2	42950485
70	Bacillus subtilis R-179 combined with Enterococcus faecium R-026 alleviate antibiotic-associated diarrhea by modulating gut microbiota and antibiotic resistance genes.	International journal of antimicrobial a	2026-Oct-2	42933545
71	Impact of supplementation of a package of iron folic acid (IFA) with probiotics on haemoglobin levels in the elderly with mild to moderate anaemia: A double-blind, randomised contr	Clinical nutrition ESPEN	2026-Oct-2	42933603
72	Comparative study of Salvia miltiorrhiza polysaccharides prepared by different extraction methods: physicochemical properties and protective effects against ulcerative colitis.	International journal of biological macr	2026-Oct-2	42933623
73	Circadian aging and neurodegeneration: the emerging role of the melatonin-cortisol axis in brain homeostasis, disease progression, and precision chronomedicine.	Frontiers in neuroendocrinology	2026-Oct-2	42933736
74	Mechanisms of Traditional Chinese Medicine-Derived Active Components in the Treatment of Alzheimer's Disease: A Comprehensive Review.	Journal of ethnopharmacology	2026-Oct-2	42933739
75	Cardiovascular resilience in centenarians.	Nature reviews. Cardiology	2026-Oct-2	42928381
76	The remodeling of gut microbiota driven by changes in the living environment: a new perspective on the imbalance of the gut-bone axis in perimenopausal women.	Food & function	2026-Oct-2	42929788
77	Carrageenan oligosaccharides alleviate radiation-induced ovarian injury through the gut microbiota-associated hydroxycitric acid and PPAR γ /Nrf2 signaling axis.	Food & function	2026-Oct-2	42932173

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78	Fucoxanthin and the gut microbiota-organ axis: linking low bioavailability, microbial metabolites and multi-organ protection.	Food & function	2026-Oct-2	42932178
79	Role of Gut Microbiota-derived Metabolites in the Pathogenesis and Progression of Metabolic Dysfunction-associated Steatotic Liver Disease (MASLD): A Systematic Review.	Journal of gastrointestinal and liver di	2026-Oct-2	42927668
80	Gut microbiota-derived ornithine aggravates hypofibrinogenemia induced by tigecycline via disturbing fibrinogen mRNA stability.	International journal of biological macr	2026-Oct-2	42927812
81	The Gut-Spine Axis in Lumbar Intervertebral Disc Degeneration: Microbial and Inflammatory Signatures.	The spine journal : official journal of	2026-Oct-2	42927859
82	LC2767 Alleviates Cholestatic Liver Injury and Fibrosis in Bile Duct-Ligated Mice.	Journal of gastroenterology and hepatolo	2026-Oct-2	42927909
83	Longitudinal Gut Microbiota Changes in Mouse Models of Chronic Colitis, Colitis-Associated Cancer, and Chemotherapy-Induced Diarrhea.	Journal of gastroenterology and hepatolo	2026-Oct-2	42927914
84	Microbial serotonin signalling axes in irritable bowel syndrome: integrative molecular crosstalk among enterochromaffin cells, gut microbiota, neuroimmune circuits, and precision t	Archives of microbiology	2026-Oct-2	42928090
85	[Explanation on modern mechanism of "for abdominal-diseases, Zusanli is indicated": acupuncture at Zusanli (ST36) regulates the brain-gut "neuro-immune axis" for the treatment of d	Zhen ci yan jiu = Acupuncture research	2026-Oct-2	42908452
86	Reduced-dose alternate-day oral iron supplementation in women with iron deficiency: a randomized controlled trial.	European journal of nutrition	2026-Oct-2	42927507
87	Bifidobacterium animalis subsp. lactis C-2 Alleviates DSS-induced Ulcerative Colitis via the Microbiota-tryptophan Metabolism-AhR Pathway.	Probiotics and antimicrobial proteins	2026-Oct-2	42925394
88	Clostridium butyricum: A Promising Probiotic for Inflammatory Bowel Disease through Modulation of Gut Microbiota and Immunity.	Probiotics and antimicrobial proteins	2026-Oct-2	42925396
89	β -defensin 130 Counteracts ETEC-K88 Infection in Mice: Mechanistic Insights from Gut Microbiome and LC-MS-Based Metabolomic Correlation Analysis.	Current microbiology	2026-Oct-2	42925435
90	Fecal microbiota transplant in the treatment of inflammatory bowel diseases: new perspectives on delivery, mechanism, and clinical positioning.	Inflammatory bowel diseases	2026-Oct-2	42925522
91	The microbiota-drug delivery nexus: from pharmacomicrobiomics to live biotherapeutic delivery.	Journal of controlled release : official	2026-Oct-2	42926019
92	Western-style high fat, low fiber diet causes progression of colorectal peritoneal metastases in mice.	JPEN. Journal of parenteral and enteral	2026-Oct-2	42926319
93	Diet quality, gut microbiome diversity, and clinical disability in multiple sclerosis: A cross-sectional case-control study.	Multiple sclerosis and related disorders	2026-Oct-2	42950771
94	Introduction to the special issue on RBD 40 years old: Perspectives on extensive clinical and research intersections.	Sleep medicine	2026-Oct-2	42945712
95	Mapping and visualizing global research trends in gut microbiota and autism spectrum disorder: A bibliometric analysis (2015-2024).	Medicine	2026-Oct-2	42937775

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96	Gut-Brain Axis and Appetite: A Hypothesis-Generating Narrative Review of Traditional Chinese Medicine for Non-Organic Poor Appetite in Children.	Journal of visualized experiments : JoVE	2026-Oct-2	42921773
97	Baicalin and levofloxacin exert divergent modulation on gut microbiota and metabolome crosstalk in DSS-triggered ulcerative colitis.	Microbiology spectrum	2026-Oct-2	42925028
98	Circadian rhythms in health and disease.	Molecular biomedicine	2026-Oct-2	42909824
99	SATB2 as a novel messenger of the cGAS-STING signaling pathway drives CUMS-induced depression via gut-brain axis.	Brain, behavior, and immunity	2026-Oct-2	42918267
100	Active components Alignment of Gegen Qinlian Decoction for inflammatory bowel disease: exploring the possible role of the SphK1/S1P/NF- κ B pathway.	Journal of ethnopharmacology	2026-Oct-2	42918464
101	Co-housing Alters Gut Microbiota and Disease Severity in Experimental Pemphigoid Disease.	The Journal of investigative dermatology	2026-Oct-2	42918489
102	Gut-brain axis in Alzheimer's disease: neuroinflammatory mechanisms and immunopharmacological interventions.	Inflammopharmacology	2026-Oct-2	42918974
103	Microbiome interactions in renal cell carcinoma: evidence, challenges and opportunities.	Nature reviews. Urology	2026-Oct-2	42919974
104	Targeting the gut-brain axis with Bifidobacterium breve in neurodegeneration: A comprehensive narrative review of current evidence in Alzheimer's disease and cognitive aging.	Journal of Alzheimer's disease : JAD	2026-Oct-2	42921916
105	IL-10-secreting engineered macrophages alleviate DSS-induced colitis with macrophage phenotypic modulation and gut microbiota remodeling in mice.	Bioengineering & translational medic	2026-Oct-2	42923814
106	Host-microbiota interactions: a novel insight into the aryl hydrocarbon receptor in Parkinson's disease.	Postgraduate medical journal	2026-Oct-2	41869966
107	The gut microbiota drives aging-related erythropoiesis impairment via phenylacetic acid-induced histone phenylacetylation.	Blood	2026-Oct-2	42430365
108	PTHrP induces breast cancer bone metastases via microbial-dependent expansion of TNF/IL-17-producing T cells.	JCI insight	2026-Oct-2	42910519
109	Gut microbiota-associated metabolic alterations contribute to 6PPD-Q-induced intestinal barrier dysfunction in mice.	mSystems	2026-Oct-2	42910940
110	Gut microbiota-derived indole-3-acetic acid ameliorates necrotizing enterocolitis-induced adolescent-stage cognitive impairment via regulating AHR-mediated neuroinflammation and sy	International immunopharmacology	2026-Oct-2	42913200
111	Infant gut microbiome neuroactive pathways link to social disadvantage, toddler neurodevelopment, cognitive and behavioural outcomes: a longitudinal cohort study.	EBioMedicine	2026-Oct-2	42913303
112	Gut microbiome dysbiosis and alterations in kynurenine pathway of tryptophan metabolism are associated with depression in people with HIV.	International journal of infectious dise	2026-Oct-2	42913782
113	Deciphering traditional Mongolian medicine Sugemule-3 decoction: Chemical profiling and therapeutic effect evaluation against myocardial fibrosis.	Fitoterapia	2026-Oct-2	42913950
114	Ineupatorolide B Alleviates Postpartum Depression-Like Behaviors via the Gut Microbiota-Butyrate-Brain Axis.	European journal of pharmacology	2026-Oct-2	42913991

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115	From Clinical Question to Defensible Inference: A Decision Framework for Integrated Gut Microbiome-Metabolome Studies.	Romanian journal of internal medicine =	2026-Oct-2	42908433
116	Long-Term Sucralose Consumption Alters Gut Microbiota and Hepatic Lipid Metabolism and Increases Depressive-like Behavior in Young Mice.	Nutrients	2026-Oct-2	42943023
117	Astragalus Polysaccharides Alleviate Inflammatory Damage in Murine Rheumatoid Arthritis by Modulating Th17/Treg Balance via the Gut-Joint Axis.	Molecules (Basel, Switzerland)	2026-Oct-2	42943856
118	Human DOPA Decarboxylase in Monoamine Metabolism, Pharmacology, and Synucleinopathies.	ACS bio & med chem Au	2026-Oct-2	42921305
119	The Crosstalk Role of Intestinal Barrier Damage in the Gut-Organ Axis and its Potential Therapeutic Implications.	Current microbiology	2026-Oct-2	42905293
120	Multimodal Machine Learning-Based Prediction of Relapse in Major Depressive Disorder.	JAMA psychiatry	2026-Oct-2	42905697
121	Gut Dubosiella newyorkensis alleviates noise-related atherosclerosis by reducing N1-methyl-4-pyridone-3-carboxamide.	Pharmacological research	2026-Oct-2	42906649
122	From aseptic ideal to microbial community balance: The shift in gut microbiota management models for hematopoietic stem cell transplant patients.	Transplant immunology	2026-Oct-2	42906824
123	Protein-Based Strategies and Mediterranean-Style Diets Show the Most Consistent Benefits for Sarcopenia in Older Adults.	The Journal of nutrition	2026-Oct-2	42906854
124	Live and Heat-Killed Lactiplantibacillus plantarum HY7715 Attenuate D-Galactose-Induced Aging-Related Brain Changes and Blood-Brain Barrier Disruption with Gut Microbiota Modulation	Journal of microbiology and biotechnolog	2026-Oct-2	42902892
125	Exploratory associations of gut microbiota composition with HBeAg and HBsAg status in nucleos(t)ide analog-treated chronic hepatitis B.	Microbiology spectrum	2026-Oct-2	42904653
126	Lactobacillus gasseri LG-G12 Alleviates High-Fat Diet-induced Obesity through Gut Microbiota-Bile Acid Axis.	Journal of agricultural and food chemist	2026-Oct-2	42904999
127	Protective Effects of Narirutin Against Exercise-Induced Fatigue in Mice: Insights from Integrated Microbiome, Metabolome, and Transcriptome Analysis.	Journal of agricultural and food chemist	2026-Oct-2	42905002
128	Association Between Gut Microbiota Dysbiosis and Synovial Inflammation in Carpal Osteoarthritis of Ili Racehorses: A Preliminary Study Integrating Imaging, Synovial Fluid Analysis,	Animals : an open access journal from MD	2026-Oct-2	42939229
129	Research Advances and Perspectives on Gut Microbiota Regulating Alzheimer's Disease.	Biology	2026-Oct-2	42939494
130	Mechanisms and Clinical Translational Prospects of the Microbiota-Gut-Lung Axis in Connective Tissue Disease-Associated Interstitial Lung Disease.	Biomolecules	2026-Oct-2	42939779
131	Euscaphic Acid from Rosa roxburghii Tratt Fruit Ameliorates Ulcerative Colitis by Modulating Oxidative Stress, Inflammation, Gut Microbiota, and Metabolism.	Foods (Basel, Switzerland)	2026-Oct-2	42940367
132	Yupingfeng alleviates allergic rhinitis by modulating gut microbiota and succinate to inhibit mTOR/S6K signaling.	Journal of ethnopharmacology	2026-Oct-2	42901457

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133	Gut Microbiota and Inflammatory Diseases: Emerging Insights and Therapeutic Perspectives. A Report From the Spanish Inflammatory Diseases Network.	Journal of investigational allergology &	2026-Oct-2	42535602
134	Live biotherapeutics in the post-antibiotic era: exploring the potential of probiotics to counter multidrug resistance.	Future microbiology	2026-Oct-2	42899314
135	Ligand Binding Remodels the Oligomeric State and Active Site of <i>Klebsiella pneumoniae</i> Azoreductase.	Biochemistry	2026-Oct-2	42899598
136	Schaftoside, a functional flavonoid from fenugreek (<i>Trigonella foenum-graecum</i> L.), alleviates depression and cognitive deficits via the microbiome-gut-brain axis in stressed mice.	Food & function	2026-Oct-2	42899795
137	Mechanisms by which cannabidiol promotes peripheral nerve regeneration.	Neural regeneration research	2026-Oct-2	42899815
138	Glutamate coordinates with <i>Lactobacillus amylovorus</i> to attenuate intestinal damage induced by deoxynivalenol.	Probiotics and antimicrobial proteins	2026-Oct-2	42900450
139	Cinchonidine Ameliorates Traumatic Brain Injury-Related Neurobehavioral Deficits via the SRC/RAF1/NF- κ B Pathway to Attenuate Mitochondrial Dysfunction.	Neurochemical research	2026-Oct-2	42900453
140	An exploratory 12-week pilot study of gut microbiota and body-weight patterns during sodium nitrite exposure and <i>Lactobacillus plantarum</i> 299v supplementation in Wistar rats.	BMC microbiology	2026-Oct-1	42919129
141	Microplastics as Microbiota Modulators: Rewiring the Gut Metabolism Immune Axis.	Toxicology mechanisms and methods	2026-Oct-1	42894949
142	Vinegar polyphenol extract alleviates alcohol-induced liver injury through suppressing the hepatic MAPK signaling pathway and restoring gut microbiota homeostasis and short-chain f	Food & function	2026-Oct-1	42895099
143	<i>Myrica rubra</i> juice attenuates DSS-induced colitis and is associated with changes in the gut microbiota-metabolite-host axis.	Food & function	2026-Oct-1	42895134
144	Enzymatic hydrolysate of nano-selenium biofortified soybean alleviates high-fat diet-induced hyperlipidaemia: associations with improved antioxidant status and modulated gut microb	Food & function	2026-Oct-1	42895240
145	Protein malnutrition facilitates intestinal colonization with highly resistant <i>Klebsiella pneumoniae</i> through disrupted intestinal microbial metabolism.	mSphere	2026-Oct-1	42895334
146	Chaihu-Jia-Longgu-Muli Tang ameliorates chronic restraint stress-induced depressive-like behaviors in association with modulation of the gut microbiota-NLRP3 inflammasome-microglia	Metabolic brain disease	2026-Oct-1	42895579
147	Reviewing preclinical evidence for potent anti-colitogenic effects of the "bee glue" propolis.	European journal of microbiology & i	2026-Oct-1	42895789
148	Abdominal ultrasound mitigates neurodegenerative pathology and alters specific gut microbial taxa in senescence-accelerated mice.	The journals of gerontology. Series A, B	2026-Oct-1	42895822
149	The Potential Role of Gut Microbiota in Combating <i>Mycobacterium tuberculosis</i> Infection.	Microbial drug resistance (Larchmont, N.	2026-Oct-1	42895926
150	<i>Akkermansia muciniphila</i> gavage alleviates depression-like behaviors in female A53T α -synuclein transgenic mice.	Behavioural brain research	2026-Oct-1	42567327

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151	Targeting the Gut Microbiota-Metabolism Axis: Novel Pharmacological Mechanisms and Translational Application Strategies for Oral Antidiabetic Drugs.	Medicinal research reviews	2026-Oct-1	42893515
152	Stem cells inhibit cigarette smoke extract-induced dendritic cells activation and alleviate chronic obstructive pulmonary disease.	International immunopharmacology	2026-Oct-1	42893666
153	Tryptophan Metabolism in Heart Failure: Mechanisms, Biomarker Potential, and Therapeutic Implications.	European journal of pharmacology	2026-Oct-1	42892508
154	Exploring gut microbiome dysbiosis in vasculitis in adults: a systematic review.	Systematic reviews	2026-Oct-1	42888447
155	Engineering the gut microbiome with metal-resistant bacteria could protect Artemia nauplii from cadmium toxicity.	Biometals : an international journal on	2026-Oct-1	42886462
156	Gut mycobiome in the spectrum of Metabolic-dysfunction Associated Steatotic Liver Disease (MASLD): from MASH to hepatocellular carcinoma.	Clinics (Sao Paulo, Brazil)	2026-Oct-1	42887291
157	Multiorgan metabolic reprogramming induced by chiglitazar in a letrozole-induced PMOS mouse model: Insights from integrated omics analyses.	Experimental and molecular pathology	2026-Oct-1	42887483
158	Akkermansia muciniphila attenuates macrophage efferocytosis to enhance anti-PD-1 efficacy in microsatellite-stable colorectal cancer.	Cell host & microbe	2026-Oct-1	42887494
159	Context-dependent immunomodulation by Astragalus polysaccharides: Structural determinants, structure-activity relationships, mechanisms, and applications: A review.	International journal of biological macromolecules	2026-Oct-1	42887747
160	Schizofoline attenuates atherosclerosis and modulates gut microbiota and bile acid metabolism in ApoE ^{-/-} mice.	European journal of pharmacology	2026-Oct-1	42887812
161	Microbiome Targeted Therapies for Primary Sclerosing Cholangitis.	Seminars in liver disease	2026-Oct-1	42887877
162	Research on the spillover risk of antibiotic resistance gene from the gut microbiome of wild animal: A case study of the golden snub-nosed monkey.	iScience	2026-Oct-1	42835196
163	ABCA1 deficiency-induced cholesterol accumulation aggravates colonic epithelial injury in knockout hamsters.	Animal models and experimental medicine	2026-Oct-1	42885393
164	Eugenol alleviates dityrosine-triggered insulin resistance and LPS-related inflammatory response by modulating gut microbiota homeostasis.	Food & function	2026-Oct-1	42885597
165	Effects of locust bean gum on cholesterol gallstones and the gut microbiota in lithogenic diet-fed C57BL/6J mice.	Food & function	2026-Oct-1	42885676
166	Residual Cardiovascular Risk Beyond Coronary Physiology: Complementary Prognostic Value of Trimethylamine N-Oxide in Patients Undergoing Coronary Computed Tomography Angiography	Journal of the American Heart Association	2026-Oct-1	42885787
167	The Qing Chang Hua Shi Formula combined with allicin alleviates Cryptosporidium parvum infection in immunosuppressed mice and is associated with restoration of NLRP6, IL-18, IFN- γ ,	Microbiology spectrum	2026-Oct-1	42885911
168	Targeting the microbiota-gut-brain axis in Alzheimer's and Parkinson's disease: recent therapeutic approaches.	Expert opinion on therapeutic targets	2026-Oct-1	42885915

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169	The effects of novel oral preclinical PolC inhibitor antibiotic candidates on the gut microbiome in a murine thigh infection model.	Microbiology spectrum	2026-Oct-1	42885945
170	Functional Divergence in Gut Clostridia from Hadza Hunter-Gatherers Reveals Diet-Adapted Metabolic Machinery That Shapes Gut Ecology.	bioRxiv : the preprint server for biolog	2026-Oct-1	42856459
171	Emerging Therapeutic Protein Targets of Inflammation: A Comprehensive Review.	Current protein & peptide science	2026-Oct-1	42897806
172	Efficacy of Lactobacillus reuteri as an adjunctive therapy for seizure control and quality of life in pediatric drug-resistant epilepsy: A prospective interventional study.	Epilepsy research	2026-Oct-1	42887466
173	Non-redundant cardiolipin synthase family proteins shape lipid composition and stress resilience in Bacteroides fragilis.	mSystems	2026-Oct-1	42878460
174	Ecological drivers of Clostridioides difficile disease severity.	Infection and immunity	2026-Oct-1	42878644
175	Gut Microbiota Modulation in CNS Disorders: Therapeutic Strategies and Implications for Drug Efficacy.	Molecular neurobiology	2026-Oct-1	42879046
176	Gut Microbiota-Derived Extracellular Vesicles in Cancer: Friends or Foes?	Probiotics and antimicrobial proteins	2026-Oct-1	42879097
177	Beyond Hemodynamics: Uremic Toxins, Post-Translational Modifications, and Inflammatory-Metabolic Remodeling in Uremic Cardiomyopathy.	JACC. Basic to translational science	2026-Oct-1	42879827
178	Akkermansia muciniphila protects against endometritis through a tyrosol-mediated gut-uterus axis.	Cell host & microbe	2026-Oct-1	42880255
179	Gut Microbiota Remodeling Correlates with Pentose Phosphate Pathway Activation and Steroid Hormone Biosynthesis Dysregulation in Polystyrene Nanoplastic-Induced Hepatic Lipotoxicit	Chemico-biological interactions	2026-Oct-1	42880389
180	From Gut Microbiome to Aging Brain: Butyrate as a Neurogeroscience Effector.	Neuroscience and biobehavioral reviews	2026-Oct-1	42880461
181	Size-dependent Effects of Polystyrene Micro- and Nanoplastics on Gastrointestinal Microbiota in Mice: Overlooked Axial Site-Specific Heterogeneity and Radial Mucosal-Luminal Compar	Environmental pollution (Barking, Essex	2026-Oct-1	42880576
182	Gut Microbiota-Derived Indole-3-Acetaldehyde Contributes to the Disease-Alleviating Effects of Kurarinone in Experimental Autoimmune Encephalomyelitis.	Advanced science (Weinheim, Baden-Wurtte	2026-Oct-1	42885156
183	Discovery of novel ibuprofen-1,3,4-thiadiazole derivatives attenuating ulcerative colitis by regulating MAPK-mediated inflammation and restoring intestinal immune homeostasis.	European journal of medicinal chemistry	2026-Oct-1	42323920
184	Intranasal stromal cell-derived factor-1 α mitigates parkinsonian deficits via dual modulation of neuroinflammation and gut microbiota in MPTP-induced models.	Brain research	2026-Oct-1	42379412
185	Antibiotic intervention reshapes gut microbiome and modulates deoxynivalenol-induced gut - liver axis disturbances.	Environmental pollution (Barking, Essex	2026-Oct-1	42471135
186	Lambda-cyhalothrin exposure disrupts microbiota-associated bile acid metabolism and enterohepatic feedback in mice.	Environmental pollution (Barking, Essex	2026-Oct-1	42476495
187	Treadmill exercise partially attenuates bisphenol A-associated behavioral alterations with coordinated multi-omics changes in mice.	Physiology & behavior	2026-Oct-1	42480732

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188	Gut microbiome composition in Huntington's disease: Stage-dependent differences between premanifest and manifest patients.	Life sciences	2026-Oct-1	42556710
189	Astragalus polysaccharides prevent kidney stone formation in an ethylene glycol-induced rat model via modulation of gut microbiota and short-chain fatty acid production.	International immunopharmacology	2026-Oct-1	42561662
190	The polysaccharide from <i>Usnea longissima</i> ach. ameliorates DSS-induced ulcerative colitis by restoring gut microbiota homeostasis and inhibiting the NF- κ B/PI3K-Akt signaling pathway	International immunopharmacology	2026-Oct-1	42561663
191	Preparation, composition analysis, and immunomodulatory activity of water-soluble glycopeptides from <i>Hemicentrotus pulcherrimus</i> gonads.	Food chemistry	2026-Oct-1	42594652
192	Schisandrin B attenuates doxorubicin-induced acute cardiac injury through regulation of metabolites and gut microbiota.	European journal of pharmacology	2026-Oct-1	42601005
193	Biomaterial-based microbiota strategies for targeting the intestinal immune microenvironment in inflammatory bowel disease.	European journal of pharmacology	2026-Oct-1	42617905
194	Effect of redox status on the metabolic characteristics and microbiota composition of high-amylose maize starch during in vitro fermentation.	Food chemistry	2026-Oct-1	42623802
195	Structure and protection of <i>Cichorium glandulosum</i> polysaccharides against sarcopenic obesity through activating mitophagy via butyrate-GPR43-AMPK pathway.	Carbohydrate polymers	2026-Oct-1	42692606
196	<i>Akkermansia muciniphila</i> HHAKK α Prevents High-Fat Diet-Induced Obesity in Mice via Gut Microbiota Modulation and Regulation of Hepatic Lipid Metabolism.	FASEB journal : official publication of	2026-Oct-1	42827406
197	The Role of Gut Microbiota in Chronic Constipation and the Therapeutic Potential of Fecal Microbiota Transplantation.	Journal of gastroenterology and hepatolo	2026-Oct-1	42876317
198	Microbiota modulation in colorectal cancer: A scoping review of its potential role in toxicity mitigation and treatment response.	Cancer treatment and research communicat	2026-Oct-1	42874443
199	Acute ozone exposure induced lung impairments in aged mice: multi-omics evidence.	Environmental pollution (Barking, Essex	2026-Oct-1	42874772
200	Gut Microbiota-Derived Short-Chain Fatty Acids Mediate the Bone-Protective Effects of Metformin Against Postmenopausal Osteoporosis.	European journal of pharmacology	2026-Oct-1	42874908
201	Scalable cultured gut microbiota-derived nanovesicles for oral augmentation of checkpoint blockade therapy.	Journal of controlled release : official	2026-Oct-1	42874932
202	Gut microbiota are linked to gastrointestinal symptoms and behavioral changes but not inflammation in autism spectrum disorder: a cross-sectional analysis.	Pediatric research	2026-Oct-1	42875511
203	Extract from <i>Eucommia ulmoides</i> Oliv. Leaves alleviates APAP-induced acute liver injury via reshaping gut microbiota and attenuating microbial bile acids metabolism disorder.	Chinese medicine	2026-Oct-1	42875799
204	Metabolic-Epigenetic Reprogramming of Fibroblast-Like Synoviocytes in Rheumatoid Arthritis: Perspectives for Traditional Chinese Medicine.	Immunological investigations	2026-Oct-1	42875867

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205	Functional Heterogeneity of the Autism Spectrum Disorder-Associated Gut Microbial Ecosystem Revealed by Fecal Lipopolysaccharides and Bacterial Proteomic Profiling.	Chembiochem : a European journal of chem	2026-Oct-1	42809586
206	Food, Dietary Supplement, and Gut Microbiome Interactions in Oral Anticancer Therapy: Mechanisms, Clinical Consequences, and Management.	American journal of therapeutics	2026-Oct-1	42870343
207	Gut microbiome and metabolite signatures in critical limb threatening ischemia.	VASA. Zeitschrift fur Gefasskrankheiten	2026-Oct-1	42870417
208	Sargassum soluble dietary fiber alleviates oxidative stress and gut microbiota dysbiosis to prevent inflammatory bowel disease in C57BL/6 mice.	Journal of the science of food and agric	2026-Oct-1	42870775
209	The lung-gut axis and airway inflammation in COPD.	Immunopharmacology and immunotoxicology	2026-Oct-1	42872922
210	Gut microbiota-considered pharmacotherapeutic management of hepatocellular carcinoma.	Expert opinion on pharmacotherapy	2026-Oct-1	42873094
211	Alistipes-derived monomethyl branched-chain fatty acid iso-15:0 suppresses hepatocellular carcinoma progression by inhibiting G β γ /PI3K/AKT signaling.	Molecular biomedicine	2026-Oct-1	42873452
212	Integrated In Silico Analysis Reveals ABC Transporter ATP-Binding Protein as a Therapeutic Target in Helicobacter pylori.	ACS omega	2026-Oct-1	42889906
213	Exercise as anticancer medicine? Evidence, mechanisms and implementation in oncology.	Cancer treatment reviews	2026-Oct-1	42892179
214	Exploring medical food supplementation as an adjunct strategy for microbiota restoration and seizure reduction in CDKL5 deficiency disorder.	Epilepsia open	2026-Oct-1	42867482
215	Mediterranean diet, gut microbiota, and intestinal barrier integrity: implications for digestive and systemic health.	Antonie van Leeuwenhoek	2026-Oct-1	42867711
216	SPP1+ TAMs drive colorectal tumorigenesis through an ARG2-orchestrated metabolic-immune crosstalk.	Cancer letters	2026-Oct-1	42869126
217	β -Hydroxybutyrate alleviates intestinal aGVHD via remodeling gut microbiota-bile acid axis and inhibiting TLR4-NF- κ B-driven Th1/Th17 differentiation.	Life sciences	2026-Oct-1	42869131
218	Physicochemical properties, in vitro digestive behavior, and fecal fermentation characteristics of a polysaccharide fraction from Triadica rotundifolia.	International journal of biological macr	2026-Oct-1	42869344
219	Dietary and Microbial Determinants of Intestinal Sulfur Gas and Malodor: Mechanisms, Phenotypes, and Nutritional Mitigation.	Journal of gastroenterology and hepatolo	2026-Oct-1	42865215
220	Oral and Fecal Microbial Dysbiosis as Non-Invasive Diagnostic Biomarkers for Gastrointestinal Cancers: A Systematic Review and Meta-Analysis of Diagnostic Accuracy.	International journal of cancer	2026-Oct-1	42865226
221	Prophylactic oral diosgenin attenuates acute sleep deprivation-induced liver injury in mice via modulation of the gut microbiota and vascular barrier.	Food & function	2026-Oct-1	42867288
222	Levothyroxine dose requirements, oral bioavailability and gut microbiome enterotype dynamics during the early post-bariatric period: a single-centre, prospective, cohort study.	BMC endocrine disorders	2026-Oct-1	42870254

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223	Immunosenescence as a modifiable driver of neurodegenerative diseases: Pathways and multidimensional emerging strategies for Alzheimer's and Parkinson's diseases.	Neurotherapeutics : the journal of the A	2026-Oct-1	42863347
224	Pathological Injury and Gastrointestinal Microbiota Changes in Lambs Infected with Eimeria ovinoidalis Isolate from Gansu, China.	Veterinary journal (London, England : 19	2026-Oct-1	42863598
225	LC-MS/MS quantification of trimethylamine N-oxide in plasma and volumetric absorptive microsamples: analytical validation and feasibility in pediatric kidney transplant recipients.	Clinica chimica acta; international jour	2026-Oct-1	42863687
226	The Microbiome-Gut-Lung axis in Respiratory Diseases: From Biological Mechanisms to Clinical Translation.	Respirology (Carlton, Vic.)	2026-Oct-1	42864764
227	Evolution Toward a Useless Gut: Physiological Consequences of Unnecessary Supplementation: A Narrative Review.	Nutrition reviews	2026-Oct-1	42864812
228	Screening for multidrug-resistant organism: clinical benefit or unquestioned routine.	Current opinion in infectious diseases	2026-Oct-1	42859404
229	Complete genome sequence of Bifidobacterium longum BL020 (DSM 33815): a human stool-derived strain from the NORDBIOTIC collection.	Microbiology resource announcements	2026-Oct-1	42861995
230	Sex- and Time-Resolved Physiological and Gut Ecosystem Responses to a Food-Grade Microbiome-Targeted Intervention in Collegiate Endurance Athletes.	Advanced science (Weinheim, Baden-Wurtte	2026-Oct-1	42862002
231	Inflammatory bowel disease and breast cancer: epidemiological evidence, shared biology, and clinical management.	Inflammation research : official journal	2026-Oct-1	42862350
232	Dietary polyphenols in atherosclerosis: a review of molecular mechanisms, endothelial dysfunction, oxidative stress, and vascular inflammation.	Molecular biology reports	2026-Oct-1	42862418
233	Lactaseibacillus paracasei SX52-B Isolated from Centenarians' feces: Genomic Analysis and Hypoglycemic Activity Evaluation.	Probiotics and antimicrobial proteins	2026-Oct-1	42862459
234	Gut microbiota dysbiosis in patients with sepsis: a meta-analysis of microbial diversity and taxonomic abundance.	Infection	2026-Oct-1	42862471
235	Toxic Metals and Metalloids Exposure and the Gut-Cardiometabolic Axis: A Narrative Review of Microbiome Dysbiosis, Gut Barrier Dysfunction, and Metabolic Inflammation.	Cardiovascular toxicology	2026-Oct-1	42862482
236	[The gut-muscle axis and the role of Roseburia inulinivorans in age-related muscle loss: a narrative review].	Orvosi hetilap	2026-Oct-1	42859978
237	Precision medicine in MASLD: Integrating genetics, multi-omics, and artificial intelligence for risk stratification and targeted therapy.	Clinica chimica acta; international jour	2026-Oct-1	42860166
238	Structural Variants in the Human Genome Associated With Gut Microbiome and Blood Metabolic Traits With Potential Causal Links.	Advanced science (Weinheim, Baden-Wurtte	2026-Oct-1	42860521
239	Inhaled β -myrcene alleviates insomnia in mice by modulating 5-HT1A/PKA signaling and the gut microbiota.	Nutritional neuroscience	2026-Oct-1	42858151
240	The Gut Microbiota-Epilepsy Axis: Bibliometric Trends, Mechanistic Insights, and Microbiota-Targeted Next-Generation Therapeutic Opportunities.	Molecular neurobiology	2026-Oct-1	42858216

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241	Global phylogeography, genomic characteristics and transmission of antibiotic resistance of multi-drug resistant ORN-1-producing <i>Raoultella ornithinolytica</i> B1645-1B.	Infection, genetics and evolution : jour	2026-Oct-1	42858760
242	Multi-omics analysis reveals <i>Oscillibacter valericigenes</i> gavage increases fetal and placental weights and is associated with altered estrogen-related metabolism and valerate produc	The Journal of nutrition	2026-Oct-1	42858898
243	NOD1 contributes to reduced postoperative memory performance induced by preoperative sleep deprivation and anesthesia/surgery in mice.	Neurochemistry international	2026-Oct-1	42858945
244	A Novel Cationic Antimicrobial Peptide Scymidgutin8-29 from <i>Scylla paramamosain</i> with Antimicrobial and Anti-inflammatory Activities and Therapeutic Potential in DSS-induced Colitis	Probiotics and antimicrobial proteins	2026-Oct-1	42859347
245	The Gut-Brain Axis and Neurodegenerative Diseases: From Mechanistic Pathways to Therapeutic Interventions.	Probiotics and antimicrobial proteins	2026-Oct-1	42859348
246	Cerebral cavernous malformations: epidemiology, molecular pathogenesis, diagnosis and therapy.	Molecular biomedicine	2026-Oct-1	42859354
247	Bivalent gambogic acid-functionalized curcumin nanoparticles with insulin modulate the gut-liver-kidney network in type 2 diabetes.	Journal of controlled release : official	2026-Oct-1	42532147
248	Engineering oral hydrogels for versatile drug delivery: core technologies, disease applications, and industrial translation.	Journal of controlled release : official	2026-Oct-1	42624434
249	Gut Microbial Metabolism Inactivates Trifluridine and Drives Loss of Anticancer Efficacy.	ACS pharmacology & translational sci	2026-Oct-0	42872031
250	Therapeutic Potential of Flavonoids and Their Metabolites in Hyperlipidaemia: Molecular Mechanisms, Bioavailability and Clinical Perspectives.	Current pharmaceutical design	2026-Oct-0	42872678
251	A Proposed Oral-Liver-Pancreas Axis in Type 2 Diabetes: Linking Oral Dysbiosis, Hepatic Insulin Resistance, and Pancreatic Beta-Cell Stress.	Journal of visualized experiments : JoVE	2026-Oct-0	42858048
252	Qi-Fu-Yin Attenuates Frailty by Regulating Gut Microbiota and Neuroendocrine Hormones in 5xFamilial Alzheimer's Disease Transgenic Mice.	Journal of visualized experiments : JoVE	2026-Oct-0	42858079
253	Paired Exploratory Metagenomic Analysis of Gut Microbiota Before and After Ceftizoxime Treatment in College Students with Acute Enteritis.	Journal of visualized experiments : JoVE	2026-Oct-0	42858083
254	Pectin alleviates alcohol-associated liver disease partly through cell-type-specific aryl hydrocarbon receptor signaling in female mice.	Cell reports	2026-Oct-0	42858255
255	Pathophysiological contributions of P-selectin glycoprotein ligand-1 to early- and late-onset colorectal cancer.	Biomedicine & pharmacotherapy = Biom	2026-Oct-0	42854450
256	A microbiota-driven CCL25-CCR9 axis reprograms intestinal ILC2s in the distal small intestine to promote metabolic dysfunction in obesity.	Cellular and molecular gastroenterology	2026-Oct-0	42854842
257	Heat-inactivated probiotic-fermented tamarind pulp alleviates constipation by modulating gut tryptophan catabolism and the AhR NLRP3 axis.	Journal of advanced research	2026-Oct-0	42854899
258	Dysphagia, Oral Health Burden, and Stool-Detected Oral-Associated Taxa in Older Inpatients After Stroke: A Cross-Sectional Study.	Clinical nutrition ESPEN	2026-Oct-0	42854972

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259	gutMDisorder v3.0: an updated database for dysbiosis of the gut and oral microbiota in phenotypes and interventions.	Nucleic acids research	2026-Oct-0	42850991
260	From microbial tryptophan metabolism to crystal injury: an IPA-AhR checkpoint in calcium oxalate nephropathy.	The Journal of pathology	2026-Oct-0	42852641
261	Multi-omics elucidate octapeptin mechanisms in alleviating intestinal injury in mice challenged with ETEC K88 via modulated microbial and host pathways.	mSystems	2026-Oct-0	42852908
262	Effects of probiotics on joint homeostasis and osteoarthritis: Development of microbe-gut-cartilage axis-on-a-chip.	Science advances	2026-Oct-0	42853928
263	Fermented milk fortified with Kolliphor HS 15 stabilized selenium nanoparticles modulates gut microbiota and improves selenium bioavailability in vivo.	Colloids and surfaces. B, Biointerfaces	2026-Oct-0	42874489
264	Anemoside B4 from Pulsatilla chinensis Ameliorates Ulcerative Colitis by Inhibiting Inflammatory Responses via the Modulation of the Gut Microbiota-Immune Interplay.	The American journal of Chinese medicine	2026-Oct-0	42861590
265	Short-Chain Fatty Acids as Endogenous Inhibitors of DPP-IV Enzyme: Implications in GLP-1 Stability and Metabolic Health.	Journal of agricultural and food chemist	2026-Oct-0	42863046
266	Multiple sclerosis occurrence with gut microbial metabolites and sex hormones.	Multiple sclerosis and related disorders	2026-Oct-0	42858536
267	Deciphering the heterogeneity of prodromal α -synucleinopathy: linking brain biotyping and gut dysbiosis in isolated REM sleep behaviour disorder.	EBioMedicine	2026-Oct-0	42849177
268	Microbiota-mediated naringenin release limits postoperative acute gastrointestinal injury by suppressing ferroptosis.	Cell reports. Medicine	2026-Oct-0	42849446
269	Genetic risk for dystonia reprograms host-microbiome interactions and gut-brain communication.	Experimental neurology	2026-Oct-0	42849604
270	Comprehensive review on Allium polysaccharides: Structural diversity, structure-activity relationships, biological functions, and future perspectives.	International journal of biological macr	2026-Oct-0	42849670
271	Sonogenetic Control of Engineered Probiotics for the Treatment of MASH by Modulating the Gut-Liver Axis.	Advanced science (Weinheim, Baden-Wurtte	2026-Oct-0	42850729
272	The Gut-Brain Axis in Parkinson's Disease: From Clinical Observation toward Mechanism-Based Precision Medicine.	Movement disorders : official journal of	2026-Oct-0	42845110
273	Tumor microenvironment and gut microbiome in immunotherapy resistance in gastric cancer: clinical questions, biological mechanisms, and evidence-based therapeutic perspectives.	Medical oncology (Northwood, London, Eng	2026-Oct-0	42848247
274	Tegoprazan regulates gut microbiota structure in Helicobacter pylori-induced ulcerative colitis mice.	Folia microbiologica	2026-Oct-0	42848254
275	Oncobiome relation with HPV and Gynecological cancer.	Molecular biology reports	2026-Oct-0	42848278
276	Gut microbiome signatures in colorectal neoplasia: a cross-sectional study across neoplasia stages and subtypes.	Gut	2026-Oct-0	41791848
277	Roseburia inulinivorans increases muscle strength.	Gut	2026-Oct-0	41806991
278	Multi-omics analysis of gut microbiota and gene expression reveals that TBK1 promotes colorectal tumorigenesis by activating glycolysis.	Acta microbiologica et immunologica Hung	2026-Oct-0	41989841

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279	Gut inflammation favors adverse food reactions by disrupting the microbial metabolism of food triggers.	Gastroenterology	2026-Oct-0	42843428
280	10-gingerol potentiates paclitaxel efficacy in triple-negative breast cancer by remodeling gut microbiota and suppressing PI3K/AKT/mTOR signaling pathway.	Toxicology and applied pharmacology	2026-Oct-0	42843603
281	Biotransformation and metabolite formation of lavender (<i>Lavandula officinalis</i>) flower infusion by human gut microbiota.	Journal of ethnopharmacology	2026-Oct-0	42843671
282	The Immunomodulatory Landscape of Anesthetic Agents: Mechanisms, Clinical Implications, and Therapeutic Potential.	European journal of pharmacology	2026-Oct-0	42843699
283	Gut microbiota-derived indole-3-propionic acid suppresses hepatic CYP2E1 expression in mice.	The Journal of nutritional biochemistry	2026-Oct-0	42843734
284	A gut microbial odd-chain fatty acid alleviates atherosclerosis in mice.	Nature	2026-Oct-0	42844473
285	Prehistoric global migration of vanishing gut microbes with humans.	Nature	2026-Oct-0	42844483
286	Tanshinone IIA Ameliorates Sleep Deprivation-Induced Cognitive Impairment: Involvement of Gut Microbiota and the TLR4/NF- κ B Signaling Pathway.	The American journal of Chinese medicine	2026-Oct-0	42836409
287	Rifaximin ameliorates memory impairment and Alzheimer's pathological changes in APP/PS1 mice associated with changes in the gut microbiome-bile acids-serum metabolites networks.	British journal of pharmacology	2026-Oct-0	42841516
288	Gut microbiota-derived indole-3-propionic acid preserves dorsal hippocampal catecholamines to prevent post-stroke cognitive impairment.	mSystems	2026-Oct-0	42841633
289	Peripheral microbial metabolites as indicators of gut microbiome disruption: systematic review and meta-analysis.	mBio	2026-Oct-0	42841642
290	Application of IgA-Seq in schizophrenia to identify key gut bacteria that promote abnormal behavior in mice.	mSystems	2026-Oct-0	42841665
291	Gastrointestinal-Responsive Jelly Fig-Alginate Microgels for Restoring Intestinal Barrier Homeostasis through Microbiota-Metabolite Remodeling.	ACS applied materials & interfaces	2026-Oct-0	42841666
292	Co-supplementation of zinc and probiotic on oxidative stress markers and sleep quality index in irritable bowel syndrome patients: a double-blind randomized controlled trial.	European journal of nutrition	2026-Oct-0	42842008
293	The Role and Mechanisms of Gut Microbiota in the Progression of Hepatic Encephalopathy.	Current neuropharmacology	2026-Oct-0	42864919
294	The gut-pancreas axis in chronic pancreatitis: Microbiota-endogenous GLP-1 interactions and candidate repair pathways.	Microbiological research	2026-Oct-0	42854469
295	Gut dysbiosis impairs HPA axis function and exacerbates post-stroke inflammation in high-fat diet-fed male mice.	Microbiology spectrum	2026-Oct-0	42627161
296	Gut microbiota - γ δ T cells axis: mechanisms of immunoregulation and therapeutic opportunities.	International immunopharmacology	2026-Oct-0	42837791
297	Study on the Intervention of <i>Hirsutiella sinensis</i> Polysaccharides in Atopic Dermatitis via the NF- κ B/MAPK and Nrf2/HO-1 Pathways: In Vitro and In Vivo Investigation.	Journal of ethnopharmacology	2026-Oct-0	42838297
298	Effects of <i>Bacillus velezensis</i> AKH-1 in a murine model of <i>Staphylococcus aureus</i> -induced diarrhea are associated with changes in gut microbial composition and intestinal and hepatic	Microbial pathogenesis	2026-Oct-0	42838393

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299	Spleen-targeted ultrasound restores gut-brain homeostasis in colitis via vagal neuroimmune modulation.	Brain, behavior, and immunity	2026-Oct-0	42838463
300	Effects of Glyphosate and Glyphosate-Based Herbicides on the Mammalian Gut Microbiome: A Critical Review.	Journal of applied toxicology : JAT	2026-Oct-0	42838538
301	A Postbiotic-Inducing Ganoderma applanatum Polysaccharide Repairs the Intestinal Barrier via a Phocaeicola vulgatus - Tridecylic Acid Axis.	Advanced science (Weinheim, Baden-Wurtte	2026-Oct-0	42839679
302	Longitudinal Shifts in Gut Microbiota After Cholecystectomy: A Point of No Return in Losing Lactobacillus Spp.	American journal of physiology. Gastroin	2026-Oct-0	42841513
303	The Therapeutic Potential of Berberine in Treating Diabetes and Its Complications: Molecular Mechanisms and Future Perspectives.	The American journal of Chinese medicine	2026-Oct-0	42834458
304	Pathogenicity and virulence of Giardia intestinalis.	Virulence	2026-Oct-0	42836554
305	Intestinal 3-methylindole exacerbates sepsis-induced neuroinflammation through microglial NLRP3 inflammasome activation.	Microbiology spectrum	2026-Oct-0	42836611
306	EndD mediates butyrate-dependent toxin release and sporulation in Clostridioides difficile.	Journal of bacteriology	2026-Oct-0	42836844
307	Characterization of oral microbiome in atopic dermatitis patients treated with dupilumab or upadacitinib.	Clinical oral investigations	2026-Oct-0	42836883
308	Pediococcus acidilactici ZQ-19 Ameliorates Ulcerative Colitis via Remodeling Gut Microbiota and Glutathione Redox Homeostasis.	Probiotics and antimicrobial proteins	2026-Oct-0	42836931
309	Gut microbiome-enteric virus interactions: mechanisms, clinical implications, and translational directions.	Journal of gastroenterology	2026-Oct-0	42836953
310	The Gut Microbiome Drives Endogenous T-cell Activation Following CAR T-cell Therapy.	Cancer immunology research	2026-Oct-0	42485357
311	Nanomaterial-based modulation of inflammatory and cytokine networks for precision therapy in inflammatory bowel disease.	International journal of pharmaceutics	2026-Oct-0	42575383
312	Exerkines in precision management of metabolic diseases.	Chinese medical journal	2026-Oct-0	42619373
313	Within-host evolution and transmission of a human gut symbiont across ecological scales.	Cell host & microbe	2026-Oct-0	42833212
314	Gut microbiota-expressed sulfotransferase sulfonates 25-hydroxyvitamin D3 and promotes depression.	Brain, behavior, and immunity	2026-Oct-0	42833523
315	Dietary advanced glycation end products are associated with anxiety- and depression-like behavior in male mice via gut microbiota mediated disruption of tryptophan metabolism.	Brain, behavior, and immunity	2026-Oct-0	42833524
316	Extracts of okra mucilage protect intestinal homeostasis through gut microbiota and immune responses.	Journal of natural medicines	2026-Oct-0	42830374
317	Air pollution and early-onset lung cancer: from environmental carcinogenesis to early intervention strategies.	Carcinogenesis	2026-Oct-0	42830393
318	Sciadonic acid ameliorates cognitive impairment in APP/PS1 mice with concomitant modulation of gut microbiota and brain metabolism.	Food & function	2026-Oct-0	42831322
319	Comparison of oral and gut microbiome highlights the role of oral bacteria in systemic inflammation in HIV.	mSphere	2026-Oct-0	42831655

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320	Dual action of baicalin against renal fibrosis in hyperuricemic nephropathy: targeting PANX1-P2Y6 signaling and gut microbiota dysbiosis.	Journal of molecular histology	2026-Oct-0	42831993
321	Efficacy and safety of probiotic supplementation in psoriatic arthritis - a randomized controlled trial.	Rheumatology (Oxford, England)	2026-Oct-0	42832303
322	Enterotype-based stratification identifies clinically distinct microbial subtypes in inflammatory bowel disease.	Inflammatory bowel diseases	2026-Oct-0	42832647
323	Community-wide adaptive evolution of gut bacteria during dietary transitions.	bioRxiv : the preprint server for biolog	2026-Oct-0	42856332
324	Colon-targeted delivery of α -terpineol via ZIF-8 alleviates ulcerative colitis by anti-inflammatory and gut microbiota-metabolism modulation.	International journal of pharmaceutics	2026-Oct-0	42830161
325	An Oral Nanozyme Microsupplement Converts Pathological ROS Into a Colon-Adhesive Shield for Long-Term Neutrophil-Directed Remission of Ulcerative Colitis.	Advanced materials (Deerfield Beach, Fla	2026-Oct-0	42829799
326	Gut resilience and clinical homeostasis following administration of neomycin and albendazole in soil-transmitted helminth-infected adults living in Lambaréné, Gabon.	Infection	2026-Oct-0	42828627
327	Next-generation probiotics and microbiome-based therapeutics highlighting Akkermansia muciniphila and Amuc_1100.	World journal of microbiology & biot	2026-Oct-0	42828644
328	Gut dysbiosis, blood pressure regulation, and cardiometabolic risk in polyendocrine metabolic ovarian syndrome (PMOS).	Reviews in endocrine & metabolic dis	2026-Oct-0	42828720
329	Sodium butyrate combined with ethanol-metabolizing Lactobacillus strains attenuates alcoholic liver disease by restoring gut-liver homeostasis.	European journal of pharmacology	2026-Oct-0	42829063
330	Clinical Landscape of Microbiome Modulators in Gynecological Tumor Treatment: From Pre-Clinical to Clinical Trials.	Biomedical journal	2026-Oct-0	42829202
331	Obesity and Age Elevate Tissue-Resident Microbiota Akkermansia muciniphila to Induce Oxidative Stress and Promote Breast Cancer Risk.	Cancer research	2026-Oct-0	42423461
332	From gut microbiota to synaptic plasticity: Mechanisms shaping cognitive function and brain disorders.	Behavioural brain research	2026-Oct-0	42508695
333	Protected area management contexts are associated with variation in Tibetan macaque gut microbiota and antibiotic resistomes.	Ecotoxicology and environmental safety	2026-Oct-0	42826561
334	Fungus Rhizopus arrhizus promotes MASLD-associated hepatocellular carcinoma through generating kynurenic acid.	Cell metabolism	2026-Oct-0	42826714
335	Chinese yam polysaccharide attenuates DSS-induced ulcerative colitis by modulating gut microbiota and eicosanoid metabolism.	International journal of biological macr	2026-Oct-0	42826781
336	Traditional Chinese Medicine for Graves' Disease: Clinical Efficacy, Pharmacological Mechanisms, and Challenges.	Journal of ethnopharmacology	2026-Oct-0	42826809
337	Gut microbiota and systemic sclerosis: Mechanistic insights and microbial therapies.	Autoimmunity reviews	2026-Oct-0	42826873
338	Synergy between Enterobacteriaceae and diet mediates competition between dominant Bacteroidales in the human gut.	Nature microbiology	2026-Oct-0	42827198
339	Gut Microbiome and Fecal Metabolome Analysis Reveal Potential Non-Invasive Biomarkers For Acute Myocardial Infarction.	Probiotics and antimicrobial proteins	2026-Oct-0	42823565

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340	Personalized Nutrition for Hypertension: Current Evidence and Future Directions.	Circulation. Genomic and precision medic	2026-Oct-0	42825323
341	Crude Corbicula fluminea carbohydrate extract attenuates cyclophosphamide-induced immune and intestinal injury in mice in association with gut microbiota remodeling.	Food & function	2026-Oct-0	42825340
342	The type VI secretion system governs strain maintenance in a wild mammalian gut microbiome.	eLife	2026-Oct-0	42826055
343	Indole-3-Propanoic Acid Alleviates Pulmonary Inflammation in a Mouse Model of Bronchial Asthma by Regulating PD-1/PD-L1.	Clinical laboratory	2026-Oct-0	42847963
344	Formulations containing co-biotic compounds mediate microbiome function and composition without increased gas production in an ex vivo gastrointestinal model.	Applied and environmental microbiology	2026-Oct-0	42820741
345	Modulation of the gut microbiota by traditional Chinese medicine to attenuate chemotherapy-induced toxicity in gastric cancer: a review.	Supportive care in cancer : official jou	2026-Oct-0	42821123
346	Association of gut microbiota and regulatory T cells with vaccine immunogenicity in HIV-exposed uninfected and HIV-unexposed infants: a longitudinal cohort study.	EBioMedicine	2026-Oct-0	42822324
347	Importance of faecal sample collection in prospective cohort studies to evaluate the effect of the gut microbiome on cancer development.	The Lancet. Microbe	2026-Oct-0	42822491
348	Radix Rehmanniae polysaccharides enhanced hypoglycaemic effect of metformin by stimulating glucagon-like peptide-1 secretion via gut microbiota-SCFA-GPCR43 axis.	International journal of biological macr	2026-Oct-0	42822559
349	Icaritin ameliorates diabetes-associated cognitive dysfunction by attenuating ferroptosis through PPAR α /CPT1A-associated fatty acid oxidative regulation.	Journal of ethnopharmacology	2026-Oct-0	42822612
350	Gut bacterial isolates from individuals with Alzheimer's disease induce strain-specific intestinal, inflammatory, and neurobehavioral phenotypes in mice.	Brain research	2026-Oct-0	42822752
351	Gut-Liver Axis and Multi-Omics Analysis Reveal the Protective Effect and Mechanism of Luteolin against Dibutyl Phthalate Induced liver injury.	Environmental pollution (Barking, Essex	2026-Oct-0	42822819
352	Propionate promotes CD8+ T-cell infiltration and enhances immunotherapy efficacy in colorectal cancer.	Journal for immunotherapy of cancer	2026-Oct-0	42823087
353	Abelmoschus manihot in Chronic Kidney Disease: Evidence-Based Therapeutics and Mechanistic Insights.	Seminars in nephrology	2026-Oct-0	42823245
354	Irritable bowel syndrome.	Nature reviews. Disease primers	2026-Oct-0	42823420
355	Lactaseibacillus rhamnosus GG enhances gefitinib efficacy and reduces treatment-related toxicity via propionyl-L-carnitine regulation.	Cell reports	2026-Oct-0	42826097
356	Gut-protective efficacy of red algal galactans: The role of structure and molecular weight.	Carbohydrate polymers	2026-Oct-0	42586639
357	Advances in research on natural polysaccharides in the treatment of acute lung injury.	Carbohydrate polymers	2026-Oct-0	42586666

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358	Exopolysaccharides from lecithin-zeaxanthin-stimulated <i>Cordyceps militaris</i> alleviate cyclophosphamide-induced immunosuppression and intestine-liver injury.	Carbohydrate polymers	2026-Oct-0	42586699
359	Integrated analysis of fecal metabolome, lipidome and pseudo-germ-free model reveals the mechanisms of Qikui granules in the treatment of diabetic kidney disease.	Journal of chromatography. B, Analytical	2026-Oct-0	42594502
360	A noninvasive ¹³ C-mannitol breath test to monitor semaglutide treatment-induced delayed oral-cecal transit in mice.	American journal of physiology. Endocrin	2026-Oct-0	42623313
361	Human Protein Biomarkers Outperform Bacterial Proteins in Colorectal Cancer Detection.	International journal of cancer	2026-Oct-0	42817615
362	Aucubin Alleviates Ulcerative Colitis in Mice by Repairing the Intestinal Barrier and Modulating the Microbiota-Metabolism Axis.	Food science & nutrition	2026-Oct	42891084
363	Gut Microbiota-Dependent Tryptophan Metabolism Drives the Therapeutic Effects of Baitouweng Tang in Colitis via the AhR Pathway.	Food science & nutrition	2026-Oct	42877054
364	Maternal Diglyceride Diet Attenuates Selected Metabolic Effects of Maternal High-Fat Feeding in Offspring via Energy Metabolism and Microbiota Modulation.	Food science & nutrition	2026-Oct	42871959
365	Why does rotavirus vaccine effectiveness vary around the globe?	PLoS pathogens	2026-Oct	42853809
366	Recent Advances in Autism Spectrum Disorder Research on Epigenetics and Personalised Medicine.	International journal of developmental n	2026-Oct	42844155
367	Time-Restricted Feeding Delays Cardiovascular Aging by Increasing Acetic Acid Through Remodeling Gut Microbiota.	Aging cell	2026-Oct	42844664
368	Trigonelline Alleviates Neuroinflammation in AAV-SynA53T Parkinson's Disease Model Mice: Involvement of PI3K/AKT-NF- κ B Signaling and Gut Microbial-Metabolic Remodeling.	Food science & nutrition	2026-Oct	42846692
369	Intratumoral Microbiota in Fueling Cancer and Steering Treatment Response.	MedComm	2026-Oct	42840628
370	Age-Associated Gut Microbiota Dysbiosis Impairs Antiviral Defense During Influenza Virus Infection and Identifies Acetate as a Protective Mediator in Senescent Human Lung Cells.	Aging cell	2026-Oct	42841227
371	Exploring Blastocystis: hidden complexity in a common intestinal microbe.	Journal of medical microbiology	2026-Oct	42842449
372	Ultrasound-assisted extraction of novel ancient tea polysaccharide NATP-60a: Process optimization, structural characterization, and mechanism of alleviating DSS-induced colitis in	Ultrasonics sonochemistry	2026-Oct	42623978
373	The Microbiome in Glioblastoma: Mechanisms, Tumor-Immune Interactions, and Translational Perspectives.	MicrobiologyOpen	2026-Oct	42830658
374	Yogurt and human health across history, culture, and science: Lessons for modern aging populations.	The journal of nutrition, health & a	2026-Oct	42600373
375	Multivariable-adjusted multi-omics signatures reveal gut microbial functional alterations and metabolic dysregulation in intrinsic capacity decline.	The journal of nutrition, health & a	2026-Oct	42612504
376	Colorectal Cancer: Epidemiology, Risk Factors, Signaling Pathways, Clinical Features, Screening, Diagnosis, and Management.	MedComm	2026-Oct	42828116

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377	Consolidation Therapy of Probiotics With Rifaximin Prevent Relapse in Rifaximin-Responsive Diarrhea-Predominant Irritable Bowel Syndrome: A Multicenter Randomized Clinical Trial.	Journal of gastroenterology and hepatolo	2026-Oct	42609157
378	Differences in the Plasma Bile Acid-Gut Microbiota Axis Between IBS-D and IBS-C.	Journal of gastroenterology and hepatolo	2026-Oct	42613095
379	Baseline Gut Microbiota Composition Links Immune-nutritional Status to Clinical Outcomes in Non-small Cell Lung Cancer Treated With Atezolizumab-based Immunotherapy: A Multicenter	Anticancer research	2026-Oct	42823161
380	Gastrodia elata Polysaccharide Attenuates Aging by Modulating Oxidative Stress, Inflammation, and Gut Microbiota.	Food science & nutrition	2026-Oct	42824700
381	Pediococcus acidilacticiPA53 Supplementation Improves Stool Form and Modulates Gut Microbiota and Inflammatory Responses in Adults With Functional Constipation: A Randomized, Doubl	Food science & nutrition	2026-Oct	42824822
382	Plant-derived extracellular vesicles (PDEVs) in anti-aging research: A review of biomedical characteristics and therapeutic applications.	Ageing research reviews	2026-Oct	42580599
383	From gut-derived metabolites to topical targets: 5-(3',4'-dihydroxyphenyl)- γ -valerolactone as an anti-inflammatory candidate for skin and mucosal inflammation.	Biomedicine & pharmacotherapy = Biom	2026-Oct	42585817
384	Oral and gut microbiota features associated with weight-loss outcomes after metabolic and bariatric surgery: A pilot study.	Clinical nutrition ESPEN	2026-Oct	42586481
385	Maternal influences on infant gut microbiome and health.	Nature	2026-Oct	42587158
386	A polysaccharide-rich preparation from Moutan Cortex alleviates non-alcoholic fatty liver disease by ameliorating intestinal flora and bile acid metabolism.	Phytomedicine : international journal of	2026-Oct	42594753
387	Therapeutic Potential of Traditional Chinese Herbal Medicines in Intracerebral Haemorrhage: A Narrative Review.	Neurology and therapy	2026-Oct	42595946
388	Polyphenol - based interventions in breast cancer: Signaling pathways, molecular mechanisms and translational therapeutic strategies (Review).	Oncology reports	2026-Oct	42596834
389	Gut microbial differences in healthy and sick farmed American alligators (Alligator mississippiensis) during a disease outbreak.	Veterinary microbiology	2026-Oct	42600391
390	The nutrition-sleep-circadian axis in age-related neurodegeneration: Cellular mechanisms, metabolic dysfunction, and neuroprotective interventions.	Ageing research reviews	2026-Oct	42612710
391	Targeting microbial bile salt hydrolase reprograms bile acid metabolism and ameliorates metabolic dysfunction-associated steatohepatitis in mice.	Molecular metabolism	2026-Oct	42612975
392	Immuno-metabolic interactions along the microbiota-gut-brain axis in ischemic stroke: a narrative review.	Journal of stroke and cerebrovascular di	2026-Oct	42617992
393	Clostridium Butyricum and butyrate enhance PD-1 inhibitor therapy in non-small cell lung cancer by regulating the HDAC1/ID2/IL-12R pathway.	Translational oncology	2026-Oct	42623870
394	The gut microbiota in cachexia: master regulator of neuro-immune-metabolic cross-talk.	Molecular aspects of medicine	2026-Oct	42623890

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395	Non-invasive Assessment and Therapeutic Targeting in Metabolic Dysfunction-Associated Steatohepatitis (MASH): Overcoming the Dissonance Between Drug Development and Precision Medic	Drugs	2026-Oct	42625107
396	The Enterococcus-putrescine-hadh axis drives mitochondrial redox imbalance and endothelial barrier breakdown in aortic dissection.	Redox biology	2026-Oct	42636689
397	Thiol-mediated ROS-responsive hydrogel with arginine-driven NO cascade for colitis treatment.	Materials today. Bio	2026-Oct	42666893
398	Does the Gut Microbiota Play a Role in Attention-Deficit/Hyperactivity Disorder in Childhood? A Pilot Study From Turkey.	Developmental neurobiology	2026-Oct	42675564
399	AMPK and macrophage crosstalk in diabetes: Mechanisms, inflammation, and therapeutic perspectives.	Cytokine & growth factor reviews	2026-Oct	42679639
400	Microbiome-Derived Tryptophan Metabolites Regulate AhR Signaling to Restore Epithelial Barrier Integrity in Inflammatory Bowel Disease.	MicrobiologyOpen	2026-Oct	42681875
401	Traditional Chinese Medicine-derived berberine-loaded herbzyme ameliorates ulcerative colitis by regulating IL10 and TMAO.	Materials today. Bio	2026-Oct	42718611
402	Metal-free nitroxide radical-based theranostic agent for MRI-guided therapy of ulcerative colitis.	Materials today. Bio	2026-Oct	42725108
403	Sex and stress paradigm influence behavioural, neuroimmune, and microbiome responses in pubertal CD-1 mice.	Brain, behavior, & immunity - health	2026-Oct	42733488
404	Gut microbiome dynamics in acute infectious diarrhea: A conceptual framework from acute dysbiosis toward precision restoration (Review).	Experimental and therapeutic medicine	2026-Oct	42741544
405	A Post-NGP Mitsuokella jalaludinii as a Therapeutic Candidate for Gout.	MicrobiologyOpen	2026-Oct	42742486
406	Gut microbiome-immune-metabolic axis in fatigue: mechanistic insights and food science approaches.	Food science and biotechnology	2026-Oct	42761183
407	Research progress on the metabolic fate of citrus flavonoids and strategies to improve bioavailability.	Food chemistry: X	2026-Oct	42761259
408	Exploring the Impact of Urolithins A and B on Muscle Health: A Transcriptomic Analysis in Human Myotubes.	Journal of cachexia, sarcopenia and musc	2026-Oct	42773997
409	Transplantation of Elderly Human Gut Microbiota Into Pigs Reprograms Intestinal Barrier Function, Plasma Metabolome, and Gut Mucosal Transcriptomic Landscape.	Aging cell	2026-Oct	42775698
410	Associations Between Gut Microbiota and Immune Profiles in Community-Dwelling Older Adults and the Regulatory Role of Polygonatum odoratum.	Aging cell	2026-Oct	42775700
411	Cancer and the microbiome: from association to intervention.	The Lancet. Oncology	2026-Oct	42805210
412	Traditional Chinese Medicine Formulas in Delaying Aging: From Theoretical Foundations to Molecular Mechanisms and Translational Perspectives.	Journal of cellular and molecular medici	2026-Oct	42806743
413	Metabolization of Flavan-3-ol Oligomers by Eggerthella lenta, a Human Gut Bacterium.	Molecular nutrition & food research	2026-Oct	42806762
414	Molecular and Cellular Underpinnings of Primary Hypertension: An Integrative Mechanistic Framework.	Journal of cellular physiology	2026-Oct	42808312

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415	In Vitro Gastrointestinal Digestion and Gut Fermentation of Atlantic Forest Fruit-Flavored Kombucha: Gut Microbiota Dynamics and Bioactive Compound Bioaccessibility.	Molecular nutrition & food research	2026-Oct	42811948
416	Microglial State Reprogramming Across the Gut-Brain-Immune Axis: Limitations and Therapeutic Prospects of Traditional Chinese Medicine.	Developmental neurobiology	2026-Oct	42813894
417	Data mining and multi-omics profiling to reveal the mechanisms of cold/hot property of traditional Chinese medicine in Alzheimer's disease treatment.	Chinese journal of natural medicines	2026-Oct	42816035
418	Integrated Multi-Omics Analysis of Polygonatum odoratum Polysaccharide in D-Galactose-Treated Mice Reveals Changes in Oxidative Stress Markers and Gut Microbiota.	Food science & nutrition	2026-Nov	42953387
419	Novel insights into the role of the renal interstitial microenvironment in Randall's plaque formation (Review).	International journal of molecular medic	2026-Nov	42825349
420	Fecal microbiome-based clustering identifies distinct disease subtypes with differing metabolomic profiles and treatment outcomes in canine chronic enteropathy.	The veterinary quarterly	2026-Dec-3	42958014
421	A host-directed virulence factor of Clostridium perfringens is modulated by gut commensal strains.	Gut microbes	2026-Dec-3	42954253
422	Disease-specific gut microbiota-metabolite-immune networks in hematologic disorders: mechanisms, causal support, and translational strategies.	Gut microbes	2026-Dec-3	42954409
423	Human milk oligosaccharides are distinctly processed by early life gut microbial sialidases.	Gut microbes	2026-Dec-3	42954932
424	A high-resolution spatial model of the primate gut microbiome defines niche-specific functions and host-adapted microbial metabolism.	Gut microbes	2026-Dec-3	42886573
425	Targeted intestinal ROS scavenging alleviated rheumatoid arthritis by microbial metabolite kynurenine acid mediated Treg/Th17 balance through AhR pathway activation.	Gut microbes	2026-Dec-3	42888947
426	A helminth-microbiota metabolic relay promotes disease tolerance.	Gut microbes	2026-Dec-3	42881529
427	Schizophrenia-associated gut microbiota are linked to reduced colonic PRODH expression and behavioral changes in mice.	Gut microbes	2026-Dec-3	42886170
428	Functionally declining microbiota in chronic disease: beyond taxonomic loss.	Gut microbes	2026-Dec-3	42876361
429	BiotaPredictor: A machine learning framework for predicting drug depletion by the human gut microbiota.	Gut microbes	2026-Dec-3	42878173
430	Escherichia coli hns and methylglyoxal link gut microbial metabolism to host neuronal gene regulation in Parkinson's disease.	Gut microbes	2026-Dec-3	42878179
431	Vagal sensing of altered gut microbiota links to externalizing behaviors.	Gut microbes	2026-Dec-3	42860590
432	Gut microbial metabolism of peanuts generates immunoregulatory metabolites.	Gut microbes	2026-Dec-3	42845237
433	Assessing diet-microbiome associations with linear models: variability across human studies.	Gut microbes	2026-Dec-3	42832344
434	LGTM: Gaussian process modulated neural topic modeling for longitudinal microbiome.	Gut microbes	2026-Dec-3	42832513

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435	Gut bacteria and their metabolites may influence our decisions, intelligence, cognition, and consciousness.	Gut microbes	2026-Dec-3	42828728
436	Prebiotics in sport and exercise: current evidence, practical applications, and methodological considerations.	Journal of the International Society of	2026-Dec-3	42895709
437	Obesity and skeletal fragility: revisiting an old paradigm.	Current opinion in endocrinology, diabet	2026-Dec-0	42960424
438	Hormonal remodeling and molecular mechanisms in postmenopausal osteoporosis: Pathogenesis and therapeutic implications (Review).	International journal of molecular medic	2026-Dec	42960442
439	Role of intestinal microbiota in pathogenesis and perspective therapeutics events for diabetes mellitus: A narrative review.	Journal of diabetes and metabolic disord	2026-Dec	42923002
440	Research progress in neural regulatory mechanisms and targeted therapy of obesity (Review).	Molecular medicine reports	2026-Dec	42924579
441	Gut - kidney axis in chronic kidney disease: Dysbiosis, uremic metabolites and therapeutic opportunities (Review).	Molecular medicine reports	2026-Dec	42924581
442	Fecal microbiota transplantation for the treatment of neurogenic rosacea: protocol of a randomized, blinded, placebo-controlled explorer study.	Annals of medicine	2026-Dec	42875381
443	From Gut to Brain: A Longitudinal Assessment of Intestinal Permeability and Immune Activation Markers in Early-Stage Schizophrenia Spectrum Disorders	medrxiv preprint	2026-10-19	10.64898/2026.10.16.26364494
444	Metabolomic Investigations Reveal Lignin Deconstruction by Human Gut Microbiota	biorxiv preprint	2026-10-17	10.64898/2026.10.16.759694
445	Variovorax paradoxus alleviates bicarbonate-induced Fe limitation in cotton by altering the root-associated microbiome	biorxiv preprint	2026-10-14	10.64898/2026.08.19.745819
446	Clinical and mechanistic responses to a music-based intervention for pain in adults with irritable bowel syndrome: Protocol for a single-arm pilot study	medrxiv preprint	2026-10-03	10.64898/2026.09.11.26362754
447	Mechanisms of Resistance and Immune-Related Adverse Events Associated with Immune Checkpoint Inhibitors in Hepatocellular Carcinoma: A Narrative Review.	Journal of hepatocellular carcinoma	2026	42960125
448	Multi-Niche Microbiome Alterations in Endometrial Cancer: Drivers, Biomarkers and Translational Targets.	International journal of women's health	2026	42960262
449	DYSBIOSIS OF GUT MICROBIOTA IN PATIENTS HOSPITALIZED FOR THE TREATMENT OF ALCOHOL USE DISORDER.	Arquivos de gastroenterologia	2026	42961248
450	Gut Microbiota Profiles in Diarrhea-Predominant Irritable Bowel Syndrome and Their Relationship to Clinical Efficacy of Hangeshashinto: The GMIBS-HA Study.	Journal of the anus, rectum and colon	2026	42952886
451	Targeted Modulation of Gut Microbiota: A New Perspective on Acupuncture for the Treatment of Knee Osteoarthritis.	Journal of pain research	2026	42936245
452	NETosis-PANoptosis Crosstalk in Colitis-Associated Colorectal Cancer: Mechanistic Links, Biomarkers, and Therapeutic Prospects.	Journal of inflammation research	2026	42936766
453	Food-Derived Substances and Edible Chinese Medicinal Materials in Psoriasis Management: Potential, Evidence, and Perspectives-A Narrative Review.	Clinical, cosmetic and investigational d	2026	42928794

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454	Traditional Chinese Medicine for Diabetic Kidney Disease: Predominantly Preclinical Evidence, Mechanistic Pathways, and Translational Challenges.	Drug design, development and therapy	2026	42928891
455	Traditional Chinese Medicine for Cough Variant Asthma: Bridging TCM Syndrome Differentiation with Modern Immunological Mechanisms and Clinical Translation - A Narrative Review.	Therapeutics and clinical risk managemen	2026	42928898
456	Molecular Mechanisms and Signaling Pathways Underlying the Synergistic Effect of Metformin and Paclitaxel in Preclinical Cancer Models: A Systematic Review.	Cancer management and research	2026	42904151
457	Exploring the Pathogenesis and Treatment Strategies of Post-Herpetic Neuralgia Based on the "Gut-Immune-Neural Axis": A Narrative Review.	Journal of pain research	2026	42904210
458	Release and Targeting Mechanism of Nanomedicine Delivery System in Inflammatory Bowel Disease.	International journal of nanomedicine	2026	42890836
459	Single-Cell Multiomics Integration Reveals Cell Trajectories and Regulatory Networks in Breast Cancer Progression.	International journal of genomics	2026	42891116
460	Hypothesis-Generating Single-Cell Analysis of the Endometrial Cancer Immune Microenvironment With Complementary Multiomics Evidence.	International journal of genomics	2026	42894744
461	Adult-sourced fecal microbiota transplantation ameliorates early-life antibiotic-induced intestinal immune stress in juvenile mice associated with the modulation of the TLR4/MyD88	PloS one	2026	42868115
462	Recent Advances in the Diagnosis and Management of Gestational Diabetes Mellitus: A Narrative Review.	International journal of general medicin	2026	42871833
463	Potential Biological Mechanisms Underlying Susceptibility to Nausea and Vomiting of Pregnancy in Women with Polycystic Ovary Syndrome: A Narrative Review.	International journal of women's health	2026	42872158
464	Gut oralisation signatures in Parkinson's disease: an integrative multi-study analysis.	Journal of oral microbiology	2026	42866484
465	Endocrine Disruptors, Gut Microbiota, and Type 2 Diabetes: Bridging Mechanisms to Probiotic-Based Therapeutic Approaches.	Diabetes, metabolic syndrome and obesity	2026	42861307
466	From Mechanistic Evidence to Clinical Translation: A Narrative Review of Chinese Herbal Medicine for Insomnia.	Drug design, development and therapy	2026	42859673
467	The Plasticene Paradigm: Microplastics, Gut Dysbiosis, and Food Allergy - A Critical Commentary.	Journal of asthma and allergy	2026	42840760
468	Gut Microbiota in Psoriasis: Evidence for Dysbiosis, Pathological Mechanisms, Causality, and Therapeutic Implications.	Clinical, cosmetic and investigational d	2026	42836164
469	Integrated Multi-Omics, Machine Learning, and Single-Cell Analysis Provide Insights into Potential Multi-Target Candidate Mechanisms of Combined MAGL11 and Icaritin in Alleviating	Drug design, development and therapy	2026	42828059
470	Research Trends and Hotspots in Mendelian Randomization Studies of Liver Diseases: A Bibliometric and Visualization Analysis.	Hepatic medicine : evidence and research	2026	42820060
471	Ticagrelor and gut microbiota: Absence of pharmacokinetic interaction in vitro and in vivo studies.	PloS one	2026	42821516
472	Pathogenesis of Micro/Nanoplastics in Mammalian Systems: Gut to Systemic Multi-Organ Dysfunction.	Research (Washington, D.C.)	2026	42824316

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