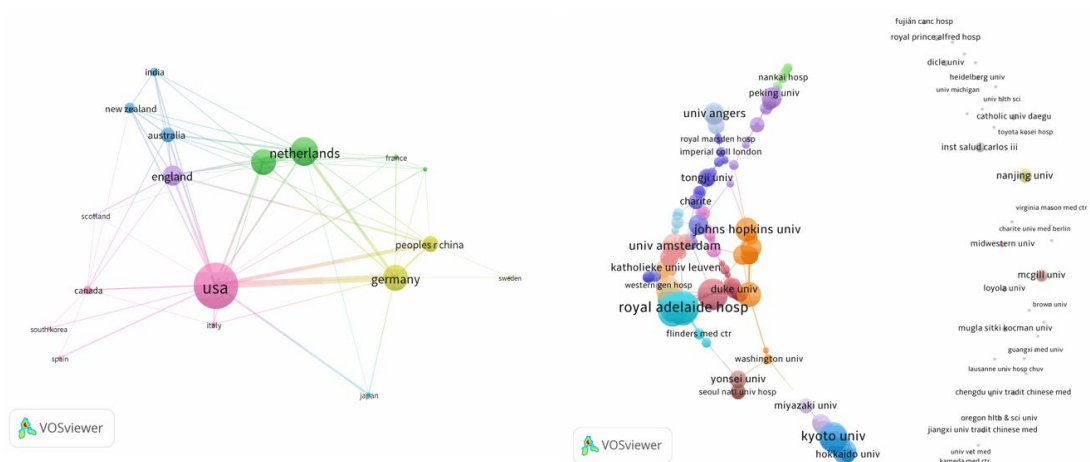


Supplementary Figure 1 A flowchart representing retrieval strategies for postoperative ileus articles from the Web of Science Core Collection database.



Supplementary Figure 2 Scientific influence in the field of postoperative ileus worldwide. A: Network plot of influential countries among the publications of Web of Science Core Collection (WoSCC); B: Network plot of influential institutions among the publications of WoSCC.

Supplementary Table 1 The top 10 journals that published articles on postoperative ileus research

Rank	Journal	Number of articles	Total citations	Impact factor (IF 2022)	Citations per article
1	<i>Neurogastroenterology and Motility</i>	31	517	3.96	16.68
2	<i>International Journal of Colorectal Disease</i>	24	254	2.796	10.58
3	<i>Journal of Gastrointestinal Surgery</i>	21	620	3.267	29.52
4	<i>Medicine</i>	21	147	1.817	7
5	<i>Colorectal Disease</i>	16	245	3.917	15.31
6	<i>British Journal of Surgery</i>	15	401	11.122	26.73
7	<i>Diseases of the Colon & Rectum</i>	12	333	4.657	27.75
8	<i>Journal of Surgical Research</i>	12	190	2.417	15.83

9	<i>Surgical Endoscopy And Other Interoventional Techniques</i>	12	236	3.453	19.67
10	<i>World Journal of Surgery</i>	12	277	3.282	23.08

Supplementary Table 2 The top 10 cited journals of postoperative ileus research

Rank	Journals	Citations
1	<i>Annals of Surgery</i>	1356
2	<i>Diseases of the Colon and Rectum</i>	798
3	<i>British Journal of Surgery</i>	773
3	<i>Gastroenterology</i>	773
4	<i>Gut</i>	651
5	<i>Neurogastroenterology And Motility</i>	591
6	<i>World Journal of Surgery</i>	556
7	<i>Surgical Endoscopy</i>	483
8	<i>Journal of Gastrointestinal Surgery</i>	473
9	<i>American Journal of Surgery</i>	429
10	<i>Journal of the American College of Surgeons</i>	424

Supplementary Table 3 The top 10 authors that published articles on postoperative ileus research

Rank	Author	Number of articles	Total citations	Citations per article
1	Wehner Sven	22	490	22.27

2	Kalff Joerg C	20	396	19.8
3	Hori Masatoshi	11	212	19.27
4	Vilz Tim O	11	218	19.82
5	Li Ning	10	89	8.9
6	Ozaki Hiroshi	10	210	21
7	De Jonge Wouter J	9	295	32.78
8	Lysson Mariola	9	191	21.22
9	Matteoli Gianluca	9	601	66.78
10	Sammour Tarik	8	65	8.13

Supplementary Table 4 Top 10 highly cited publications in postoperative ileus

Rank	Citations	Year	First author	Journal	Title
1	274	2013	Vather	J Gastroin test Surg	Defining Postoperative Ileus: Results of a Systematic Review and Global Survey
2	257	2014	Gianluca Matteoli	Gut	A distinct vagal anti-inflammatory pathway modulates intestinal muscularis resident macrophages independent of the spleen

3	186	2015	Bragg D	Clin Nutr	Postoperative ileus: Recent developments in pathophysiology and management
4	136	2016	Venara A	J Visc Surg	Postoperative ileus: Pathophysiology, incidence, and prevention
5	127	2013	Chapuis PH	Ann Surg	Risk factors for prolonged ileus after resection of colorectal cancer: An observational study of 2400 consecutive patients
6	118	2014	Boelens Petra G	Ann Surg	Reduction of Postoperative Ileus by Early Enteral Nutrition in Patients Undergoing Major Rectal Surgery
7	114	2011	Kronberg Udo	Ann Surg	A Characterization of Factors Determining Postoperative Ileus

						After Laparoscopic Colectomy Enables the Generation of a Novel Predictive Score
8	107	2014	van Bree Ann SHW	Surg		Identification of Clinical Outcome Measures for Recovery of Gastrointestinal Motility in Postoperative Ileus
9	106	2016	Wolthuis AM	Colorectal Dis		Incidence of prolonged postoperative ileus after colorectal surgery: A systematic review and meta-analysis
10	99	2013	Simon Ng S.M.	Gastroenterology		Electroacupuncture Reduces Duration of Postoperative Ileus After Laparoscopic Surgery for Colorectal Cancer
