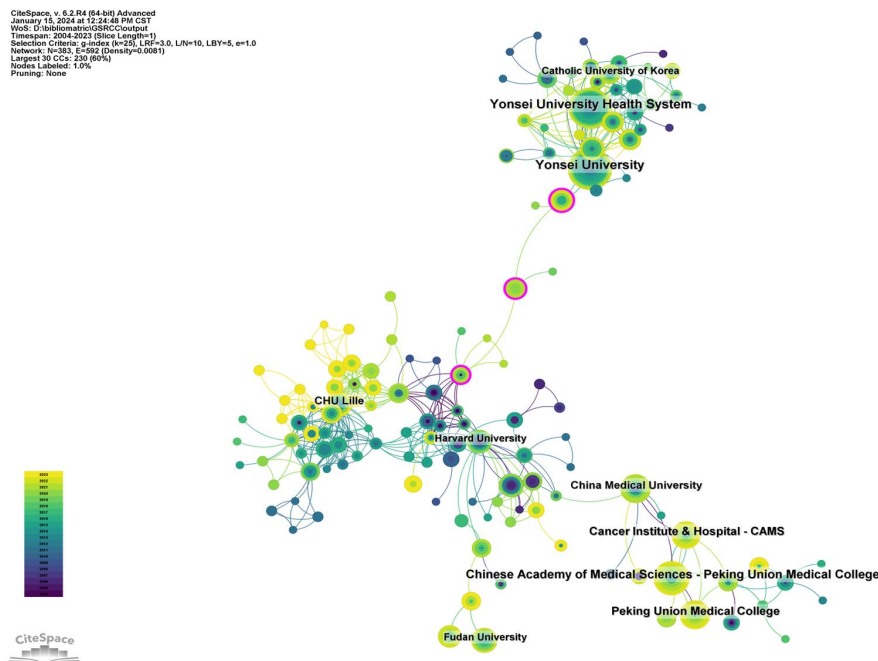
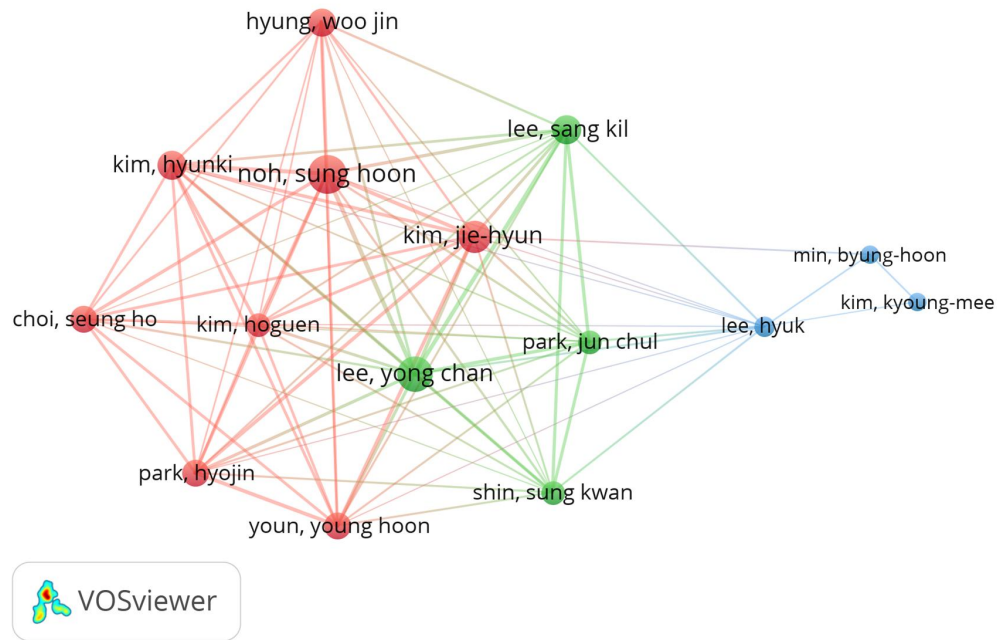


Supplementary Figure 1 The heat map of national publications in gastric signet ring cell carcinoma shows that the top 5 countries in this field are China, Japan, the United States, South Korea and Italy. China publishes much more articles than any other country.



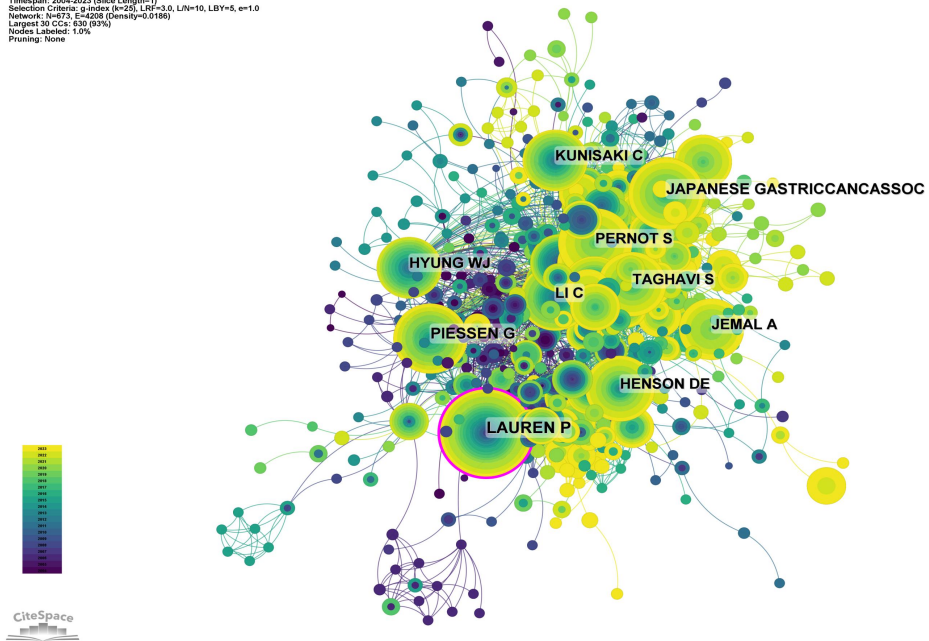
Supplementary Figure 2 Cooperative network of publications related to gastric signet ring cell carcinoma between institutions. Institutions are represented by nodes. Partnerships are represented by lines. The node area increases with the number of publications. Institutions from different

countries/regions tend to collaborate more with their own respective national counterparts.



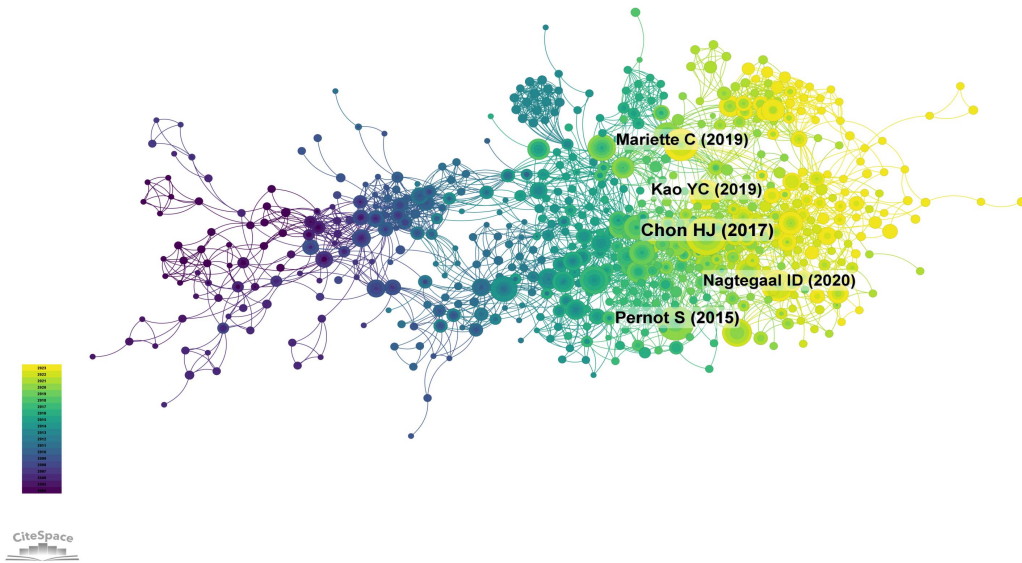
Supplementary Figure 3 Visualization of the network between authors in gastric signet ring cell carcinoma.

CiteSpace, v. 5.2.R4 (64-bit) Advanced
January 15, 2024 at 15:35:39 PM CST
Work: J:\Bibliometrix\SRCC\Output
Session: 2004-2023 (Slice Length=1)
Session Criteria: g index (w=20, LRF=3.0, LN=10, LBY=5, e=1.0)
Network: N=573, E=4208 (Density=0.0186)
Largest CC: 430 (93%)
Nodes Labeled: 1.0%



Supplementary Figure 4 Visualization of the relationship among co-cited authors related to gastric signet ring cell carcinoma. The largest nodes are related to the authors with the most co-citations, including LAUREN P, JAPANESE GASTRICCANCASSOC, and PIESEN G.

CiteSpace v. 5.2.R4 (64-bit) Advanced
January 13, 2024 at 12:41:22 PM CST
WWS: D:\bibliometris\GSR\CCowpat
Timespan: 2004-2023 (Slice Length=1)
Selection Criterion: q-index (k=25), LRF=3.0, L/N=10, LBY=5, e=1.0
Network: N=822, E=3268 (Density=0.0097)
Largest CCs: 727 (89%)
Nodes Labeled: 1.0%
Pruning: None



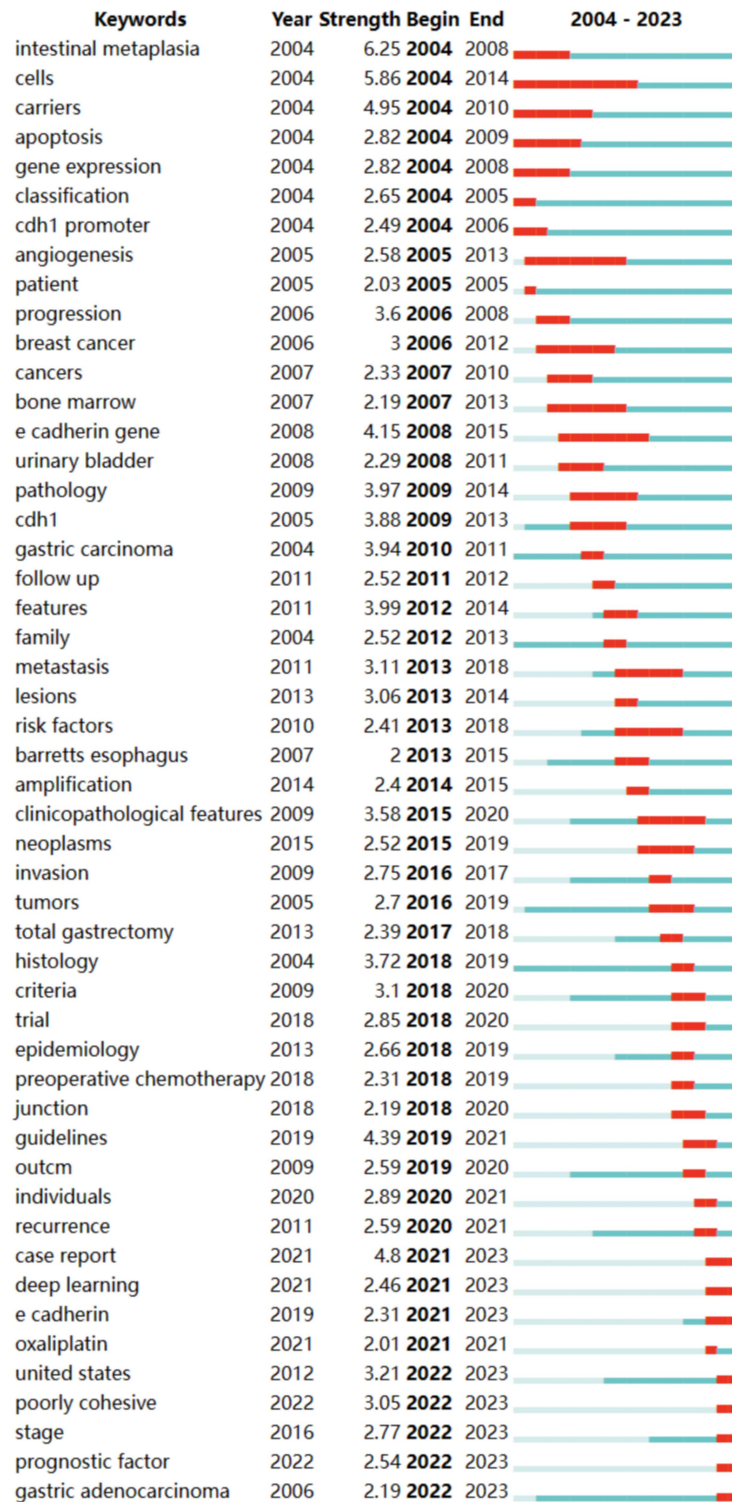
Supplementary Figure 5 The co-cited reference network, which covers the period from 2004 to 2023, is composed of 822 nodes and 3268 linkages.

Top 50 References with the Strongest Citation Bursts

References	Year	Strength	Begin	End	2004 - 2023
Hyung WJ, 2002, CANCER, V94, P78, DOI 10.1002/cncr.10120, DOI	2002	5.56	2004	2007	
Carneiro F, 2004, J PATHOL, V203, P681, DOI 10.1002/path.1564, DOI	2004	7.47	2005	2009	
Charlton A, 2004, GUT, V53, P814, DOI 10.1136/gut.2002.010447, DOI	2004	5.16	2005	2009	
Shaw D, 2005, GUT, V54, P461, DOI 10.1136/gut.2004.049171, DOI	2005	5.55	2006	2010	
Henson DE, 2004, ARCH PATHOL LAB MED, V128, P765	2004	5.29	2006	2009	
Kim DY, 2004, ANZ J SURG, V74, P1060, DOI 10.1111/j.1445-1433.2004.03268.x, DOI	2004	6.75	2007	2009	
Kunisaki C, 2004, BRIT J SURG, V91, P1319, DOI 10.1002/bjs.4637, DOI	2004	5.52	2007	2009	
Blair V, 2006, CLIN GASTROENTEROL H, V4, P262, DOI 10.1016/j.cgh.2005.12.003, DOI	2006	4.63	2007	2010	
Kaurah P, 2007, JAMA-J AM MED ASSOC, V297, P2360, DOI 10.1001/jama.297.21.2360, DOI	2007	4.78	2008	2010	
Li C, 2007, ONCOLOGY-BASEL, V72, P64, DOI 10.1159/000111096, DOI	2007	8.79	2009	2012	
Barber ME, 2008, J PATHOL, V216, P286, DOI 10.1002/path.2415, DOI	2008	5.85	2009	2012	
Rogers WM, 2008, AM J SURG PATHOL, V32A, P799, DOI 10.1097/PAS.0b013e31815e7f1a, DOI	2008	5.47	2009	2011	
Piessen G, 2009, ANN SURG, V250, P878, DOI 10.1097/SLA.0b013e3181b21c7b, DOI	2009	12.92	2011	2014	
Zhang M, 2010, J GASTROINTEST SURG, V14, P601, DOI 10.1007/s11605-009-1127-9, DOI	2010	9.65	2012	2015	
Jiang CG, 2011, J SURG ONCOL, V103, P700, DOI 10.1002/jso.21878, DOI	2011	6.71	2012	2016	
Fitzgerald RC, 2010, J MED GENET, V47, P436, DOI 10.1136/jmg.2009.074237, DOI	2010	6.41	2012	2015	
Japanese Gastric Canc Assoc, 2011, GASTRIC CANCER, V14, P101, DOI 10.1007/s10120-011-0041-5, DOI	2011	9.07	2013	2016	
Messenger M, 2011, ANN SURG, V254, P684, DOI 10.1097/SLA.0b013e3182352647, DOI	2011	7.04	2013	2016	
Japanese Gastric Canc Assoc, 2011, GASTRIC CANCER, V14, P113, DOI 10.1007/s10120-011-0042-4, DOI	2011	7.04	2013	2016	
Taghavi S, 2012, J CLIN ONCOL, V30, P3493, DOI 10.1200/JCO.2012.42.6635, DOI	2012	12.44	2014	2017	
Shah MA, 2011, CLIN CANCER RES, V17, P2693, DOI 10.1158/1078-0432.CCR-10-2203, DOI	2011	4.91	2014	2016	
Kim HM, 2011, SURG ENDOSC, V25, P3087, DOI 10.1007/s00464-011-1674-5, DOI	2011	4.91	2014	2016	
Kwon KJ, 2014, GASTRIC CANCER, V17, P43, DOI 10.1007/s10120-013-0234-1, DOI	2014	13.68	2015	2019	
Bass AJ, 2014, NATURE, V513, P202, DOI 10.1038/nature13480, DOI	2014	9.07	2015	2019	
Kim BS, 2014, SURGERY, V155, P1030, DOI 10.1016/j.surg.2013.08.016, DOI	2014	8.24	2015	2019	
Gronnier C, 2013, SURGERY, V154, P1093, DOI 10.1016/j.surg.2013.05.020, DOI	2013	7.99	2015	2018	
Ferlay J, 2015, INT J CANCER, V136, PE359, DOI 10.1002/ijc.29210, DOI	2015	9.43	2016	2020	
Pernot S, 2015, WORLD J GASTROENTERO, V21, P11428, DOI 10.3748/wjg.v21.i40.11428, DOI	2015	18.05	2017	2020	
Heger U, 2014, ANN SURG ONCOL, V21, P1739, DOI 10.1245/s10434-013-3462-z, DOI	2014	6.91	2017	2019	
Bamboot ZM, 2014, ANN SURG ONCOL, V21, P1678, DOI 10.1245/s10434-013-3466-8, DOI	2014	9.1	2018	2019	
Liu XW, 2015, PLOS ONE, V10, P0, DOI 10.1371/journal.pone.0144420, DOI	2015	7.46	2018	2020	
Lu M, 2016, MEDICINE, V95, P0, DOI 10.1097/MD.0000000000004052, DOI	2016	7.1	2018	2021	
van der Post RS, 2015, J MED GENET, V52, P361, DOI 10.1136/jmedgenet-2015-103094, DOI	2015	6.55	2018	2020	
Hansford S, 2015, JAMA ONCOL, V1, P23, DOI 10.1001/jamaoncol.2014.168, DOI	2015	6.53	2018	2020	
Charalampakis N, 2016, ONCOLOGY-BASEL, V90, P239, DOI 10.1159/000443506, DOI	2016	4.84	2018	2021	
Chon HJ, 2017, ANN SURG, V265, P946, DOI 10.1097/SLA.0000000000001793, DOI	2017	13.9	2019	2023	
Shu Y, 2018, NAT COMMUN, V9, P0, DOI 10.1038/s41467-018-04907-0, DOI	2018	5.34	2019	2023	
Mariette C, 2019, GASTRIC CANCER, V22, P1, DOI 10.1007/s10120-018-0868-0, DOI	2019	11.28	2020	2023	
Nagtegaal ID, 2020, HISTOPATHOLOGY, V76, P182, DOI 10.1111/his.13975, DOI	2020	10.98	2020	2023	
Japanese Gastric Canc Assoc, 2017, GASTRIC CANCER, V20, P1, DOI 10.1007/s10120-016-0622-4, DOI	2017	10.55	2020	2023	
Kao YC, 2019, GASTRIC CANCER, V22, P255, DOI 10.1007/s10120-018-0860-8, DOI	2019	10.37	2020	2023	
Machlowska J, 2019, CANCER MANAG RES, V11, P2151, DOI 10.2147/CMAR.S188622, DOI	2019	8.74	2020	2023	
Imamura T, 2016, J SURG ONCOL, V114, P607, DOI 10.1002/jso.24377, DOI	2016	6.53	2020	2021	
Voron T, 2016, GASTRIC CANCER, V19, P1027, DOI 10.1007/s10120-015-0564-2, DOI	2016	5.83	2020	2021	
Al-Batran SE, 2019, LANCET, V393, P1948, DOI 10.1016/S0140-6736(18)32557-1, DOI	2019	6.29	2021	2023	
Japanese Gastr Canc Assoc, 2021, GASTRIC CANCER, V24, P1, DOI 10.1007/s10120-020-01042-y, DOI	2021	5.98	2021	2023	
Sung H, 2021, CA-CANCER J CLIN, V71, P209, DOI 10.3322/caac.21660, DOI	2021	12.85	2022	2023	
Li Y, 2020, CANCER MANAG RES, V12, P7973, DOI 10.2147/CMAR.S268032, DOI	2020	5.89	2022	2023	
Zhang C, 2021, FRONT ONCOL, V11, P0, DOI 10.3389/fonc.2021.618477, DOI	2021	5.4	2022	2023	
Smyth EC, 2020, LANCET, V396, P635, DOI 10.1016/S0140-6736(20)31288-5, DOI	2020	4.9	2022	2023	

Supplementary Figure 6 Cited references burst visualization. All 50 references were published between 2004 and 2023, indicating their frequent citation over the past two decades and 13 of these papers are currently at a peak in terms of citations.

Top 50 Keywords with the Strongest Citation Bursts



Supplementary Figure 7 The top 50 keywords that exhibited the most substantial bursts in gastric signet ring cell carcinoma. These keywords serve as the current focal points of research in the field and offer potential avenues for future investigations.

Supplementary Table 1 The top 10 co-cited references

Rank	Title	Journal (2021)	IF	Author(s)	Total citations
1	Differential Prognostic Implications of Gastric Signet Ring Cell Carcinoma Stage Adjusted Analysis from a Single High-volume Center in Asia	Annals of surgery (IF=10.1)		Chon HJ	55
2	Signet-ring cell carcinoma of the stomach: Impact on prognosis and specific therapeutic challenge	World journal of Gastroenterology (IF=4.3)		Pernot S	43
3	Consensus on the pathological definition and classification of poorly cohesive gastric carcinoma	Gastric cancer (IF=7.4)		Mariette C	38
4	The 2019 WHO classification of tumours of the digestive system	Histopathology (IF=6.4)		Nagtegaal ID	37
5	Clinicopathological differences in signet ring cell adenocarcinoma between early and advanced gastric cancer	Gastric cancer (IF=7.4)		Kao YC	35
6	Clinicopathological characteristics and prognosis of signet ring	Gastric cancer (IF=7.4)		Kwon KJ	33

cell carcinoma of the stomach

Cancer incidence and mortality worldwide: International Sources, methods and major patterns in GLOBOCAN 2012

7 Japanese gastric cancer treatment guidelines 2014 (ver. 4)

8 Global cancer statistics 2020: GLOBOCAN estimates of incidence and mortality worldwide for 36 cancers in 185 countries

9 Prognostic Significance of Signet Ring Gastric Cancer

10

International journal of cancer (IF=6.4)

Gastric cancer (IF=7.4)

CA-A cancer for clinicians (IF=254.7)

Journal of clinical oncology (IF=45.4)

Ferlay J 30

Japanese Gastric Canc Assoc 30

Sung H 26

Taghavi S 25
