

Herbert Zeh, Iii

List of Publications by Year in descending order

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Version: 2024-02-01

120
papers

14,443
citations

44042

48
h-index

20943

115
g-index

123
all docs

123
docs citations

123
times ranked

20733
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , 2012, 8, 445-544.	4.3	3,122
2	Autophagy promotes ferroptosis by degradation of ferritin. <i>Autophagy</i> , 2016, 12, 1425-1428.	4.3	1,318
3	Endogenous HMGB1 regulates autophagy. <i>Journal of Cell Biology</i> , 2010, 190, 881-892.	2.3	819
4	HMGB1 in health and disease. <i>Molecular Aspects of Medicine</i> , 2014, 40, 1-116.	2.7	763
5	The Tumor Suppressor p53 Limits Ferroptosis by Blocking DPP4 Activity. <i>Cell Reports</i> , 2017, 20, 1692-1704.	2.9	608
6	AMPK-Mediated BECN1 Phosphorylation Promotes Ferroptosis by Directly Blocking System Xc ^{â€} Activity. <i>Current Biology</i> , 2018, 28, 2388-2399.e5.	1.8	471
7	A Combination of Molecular Markers and Clinical Features Improve the Classification of Pancreatic Cysts. <i>Gastroenterology</i> , 2015, 149, 1501-1510.	0.6	376
8	HSPA5 Regulates Ferroptotic Cell Death in Cancer Cells. <i>Cancer Research</i> , 2017, 77, 2064-2077.	0.4	353
9	Autophagy-dependent ferroptosis drives tumor-associated macrophage polarization via release and uptake of oncogenic KRAS protein. <i>Autophagy</i> , 2020, 16, 2069-2083.	4.3	319
10	The ferroptosis inducer erastin enhances sensitivity of acute myeloid leukemia cells to chemotherapeutic agents. <i>Molecular and Cellular Oncology</i> , 2015, 2, e1054549.	0.3	301
11	Assessment of Quality Outcomes for Robotic Pancreaticoduodenectomy. <i>JAMA Surgery</i> , 2015, 150, 416.	2.2	301
12	Clockophagy is a novel selective autophagy process favoring ferroptosis. <i>Science Advances</i> , 2019, 5, eaaw2238.	4.7	286
13	The North American Neuroendocrine Tumor Society Consensus Paper on the Surgical Management of Pancreatic Neuroendocrine Tumors. <i>Pancreas</i> , 2020, 49, 1-33.	0.5	226
14	Ferroptotic damage promotes pancreatic tumorigenesis through a TMEM173/STING-dependent DNA sensor pathway. <i>Nature Communications</i> , 2020, 11, 6339.	5.8	201
15	Intracellular Hmgb1 Inhibits Inflammatory Nucleosome Release and Limits Acute Pancreatitis in Mice. <i>Gastroenterology</i> , 2014, 146, 1097-1107.e8.	0.6	200
16	Safety and Biologic Response of Pre-operative Autophagy Inhibition in Combination with Gemcitabine in Patients with Pancreatic Adenocarcinoma. <i>Annals of Surgical Oncology</i> , 2015, 22, 4402-4410.	0.7	187
17	PINK1 and PARK2 Suppress Pancreatic Tumorigenesis through Control of Mitochondrial Iron-Mediated Immunometabolism. <i>Developmental Cell</i> , 2018, 46, 441-455.e8.	3.1	176
18	Identification of baicalein as a ferroptosis inhibitor by natural product library screening. <i>Biochemical and Biophysical Research Communications</i> , 2016, 473, 775-780.	1.0	174

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19	Cell death in pancreatic cancer: from pathogenesis to therapy. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2021, 18, 804-823.	8.2	156
20	The learning curve for robotic distal pancreatectomy: an analysis of outcomes of the first 100 consecutive cases at a high-volume pancreatic centre. <i>Hpb</i> , 2015, 17, 580-586.	0.1	153
21	Outcomes After Robot-Assisted Pancreaticoduodenectomy for Periapillary Lesions. <i>Annals of Surgical Oncology</i> , 2012, 19, 864-870.	0.7	138
22	Inhibition of Aurora Kinase A Induces Necroptosis in Pancreatic Carcinoma. <i>Gastroenterology</i> , 2017, 153, 1429-1443.e5.	0.6	137
23	Chloroquine reduces hypercoagulability in pancreatic cancer through inhibition of neutrophil extracellular traps. <i>BMC Cancer</i> , 2018, 18, 678.	1.1	133
24	A Randomized Phase II Preoperative Study of Autophagy Inhibition with High-Dose Hydroxychloroquine and Gemcitabine/Nab-Paclitaxel in Pancreatic Cancer Patients. <i>Clinical Cancer Research</i> , 2020, 26, 3126-3134.	3.2	133
25	BECN1 is a new driver of ferroptosis. <i>Autophagy</i> , 2018, 14, 2173-2175.	4.3	123
26	Cell Death and DAMPs in Acute Pancreatitis. <i>Molecular Medicine</i> , 2014, 20, 466-477.	1.9	119
27	TMEM173 Drives Lethal Coagulation in Sepsis. <i>Cell Host and Microbe</i> , 2020, 27, 556-570.e6.	5.1	119
28	HMGB1 as a potential biomarker and therapeutic target for severe COVID-19. <i>Heliyon</i> , 2020, 6, e05672.	1.4	118
29	DAMPs, ageing, and cancer: The "DAMP Hypothesis". <i>Ageing Research Reviews</i> , 2015, 24, 3-16.	5.0	117
30	First-in-man Study of Western Reserve Strain Oncolytic Vaccinia Virus: Safety, Systemic Spread, and Antitumor Activity. <i>Molecular Therapy</i> , 2015, 23, 202-214.	3.7	117
31	500 Minimally Invasive Robotic Pancreatoduodenectomies. <i>Annals of Surgery</i> , 2021, 273, 966-972.	2.1	112
32	PDK4 dictates metabolic resistance to ferroptosis by suppressing pyruvate oxidation and fatty acid synthesis. <i>Cell Reports</i> , 2021, 34, 108767.	2.9	112
33	Phase 1 Study of Intravenous Oncolytic Poxvirus (vvDD) in Patients With Advanced Solid Cancers. <i>Molecular Therapy</i> , 2016, 24, 1492-1501.	3.7	110
34	Recurrent Rearrangements in PRKACA and PRKACB in Intraductal Oncocytic Papillary Neoplasms of the Pancreas and Bile Duct. <i>Gastroenterology</i> , 2020, 158, 573-582.e2.	0.6	110
35	Worldwide survey on opinions and use of minimally invasive pancreatic resection. <i>Hpb</i> , 2017, 19, 190-204.	0.1	105
36	JTC801 Induces pH-dependent Death Specifically in Cancer Cells and Slows Growth of Tumors in Mice. <i>Gastroenterology</i> , 2018, 154, 1480-1493.	0.6	105

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37	Intracellular HMGB1 as a novel tumor suppressor of pancreatic cancer. <i>Cell Research</i> , 2017, 27, 916-932.	5.7	103
38	cAMP metabolism controls caspase-11 inflammasome activation and pyroptosis in sepsis. <i>Science Advances</i> , 2019, 5, eaav5562.	4.7	89
39	High mobility group protein B1 controls liver cancer initiation through yes-associated protein α -dependent aerobic glycolysis. <i>Hepatology</i> , 2018, 67, 1823-1841.	3.6	88
40	Prediagnostic Serum Biomarkers as Early Detection Tools for Pancreatic Cancer in a Large Prospective Cohort Study. <i>PLoS ONE</i> , 2014, 9, e94928.	1.1	77
41	The NLRP3 inflammasome and bruton's tyrosine kinase in platelets co-regulate platelet activation, aggregation, and in vitro thrombus formation. <i>Biochemical and Biophysical Research Communications</i> , 2017, 483, 230-236.	1.0	74
42	Outcomes and Risk Score for Distal Pancreatectomy with Celiac Axis Resection (DP-CAR): An International Multicenter Analysis. <i>Annals of Surgical Oncology</i> , 2019, 26, 772-781.	0.7	73
43	Evolution of a Novel Robotic Training Curriculum in a Complex General Surgical Oncology Fellowship. <i>Annals of Surgical Oncology</i> , 2018, 25, 3445-3452.	0.7	64
44	Disturbances of the Perioperative Microbiome Across Multiple Body Sites in Patients Undergoing Pancreaticoduodenectomy. <i>Pancreas</i> , 2017, 46, 260-267.	0.5	56
45	Mitochondrial quality control mediated by PINK1 and PRKN: links to iron metabolism and tumor immunity. <i>Autophagy</i> , 2019, 15, 172-173.	4.3	53
46	Robotic pancreatoduodenectomy with vascular resection: Outcomes and learning curve. <i>Surgery</i> , 2019, 166, 8-14.	1.0	52
47	Robotic Pancreaticoduodenectomy Is Associated with Decreased Clinically Relevant Pancreatic Fistulas: a Propensity-Matched Analysis. <i>Journal of Gastrointestinal Surgery</i> , 2020, 24, 1111-1118.	0.9	52
48	Association of Mentorship and a Formal Robotic Proficiency Skills Curriculum With Subsequent Generations' Learning Curve and Safety for Robotic Pancreaticoduodenectomy. <i>JAMA Surgery</i> , 2020, 155, 607.	2.2	52
49	Prognostic Value of the Systemic Immune-Inflammation Index (SII) After Neoadjuvant Therapy for Patients with Resected Pancreatic Cancer. <i>Annals of Surgical Oncology</i> , 2020, 27, 898-906.	0.7	51
50	The Receptor for Advanced Glycation End Products Activates the AIM2 Inflammasome in Acute Pancreatitis. <i>Journal of Immunology</i> , 2016, 196, 4331-4337.	0.4	50
51	Management of the pancreatic transection plane after left (distal) pancreatectomy: Expert consensus guidelines by the International Study Group of Pancreatic Surgery (ISGPS). <i>Surgery</i> , 2020, 168, 72-84.	1.0	48
52	Analysis of Predictors of Resection and Survival in Locally Advanced Stage III Pancreatic Cancer: Does the Nature of Chemotherapy Regimen Influence Outcomes?. <i>Annals of Surgical Oncology</i> , 2017, 24, 1406-1413.	0.7	45
53	Extracellular SQSTM1 mediates bacterial septic death in mice through insulin receptor signalling. <i>Nature Microbiology</i> , 2020, 5, 1576-1587.	5.9	45
54	Effect of fragmentation of cancer care on treatment use and survival in hepatocellular carcinoma. <i>Cancer</i> , 2019, 125, 3428-3436.	2.0	41

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55	Incidence and comparative outcomes of periampullary cancer: A population-based analysis demonstrating improved outcomes and increased use of adjuvant therapy from 2004 to 2012. <i>Journal of Surgical Oncology</i> , 2019, 119, 303-317.	0.8	40
56	Use of Video Review to Investigate Technical Factors That May Be Associated With Delayed Gastric Emptying After Pancreaticoduodenectomy. <i>JAMA Surgery</i> , 2018, 153, 918.	2.2	38
57	High Mobility Group Box 1 (HMGB1) Phenotypic Role Revealed with Stress. <i>Molecular Medicine</i> , 2014, 20, 359-362.	1.9	37
58	Epinephrine promotes COX-2-dependent immune suppression in myeloid cells and cancer tissues. <i>Brain, Behavior, and Immunity</i> , 2017, 62, 78-86.	2.0	37
59	Safe implementation of minimally invasive pancreas resection: a systematic review. <i>Hpb</i> , 2020, 22, 637-648.	0.1	37
60	Trypsin-Mediated Sensitization to Ferroptosis Increases the Severity of Pancreatitis in Mice. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2022, 13, 483-500.	2.3	32
61	Distal Pancreatectomy with Celiac Axis Resection (DP-CAR) for Pancreatic Cancer. How I do It. <i>Journal of Gastrointestinal Surgery</i> , 2018, 22, 1804-1810.	0.9	31
62	CA19-9 Change During Neoadjuvant Therapy May Guide the Need for Additional Adjuvant Therapy Following Resected Pancreatic Cancer. <i>Annals of Surgical Oncology</i> , 2020, 27, 3950-3960.	0.7	30
63	Extracellular DNA promotes colorectal tumor cell survival after cytotoxic chemotherapy. <i>Journal of Surgical Research</i> , 2018, 226, 181-191.	0.8	29
64	Long-Term Surgical Complications After Pancreatoduodenectomy: Incidence, Outcomes, and Risk Factors. <i>Journal of Gastrointestinal Surgery</i> , 2020, 24, 1581-1589.	0.9	29
65	Methodology for Developing an Educational and Research Video Library in Minimally Invasive Surgery. <i>Journal of Surgical Education</i> , 2019, 76, 745-755.	1.2	27
66	TLR4-dependent upregulation of the platelet NLRP3 inflammasome promotes platelet aggregation in a murine model of hindlimb ischemia. <i>Biochemical and Biophysical Research Communications</i> , 2019, 508, 614-619.	1.0	25
67	Nuclear DAMP complex-mediated RAGE-dependent macrophage cell death. <i>Biochemical and Biophysical Research Communications</i> , 2015, 458, 650-655.	1.0	24
68	Development of a Novel Pancreatoduodenectomy-Specific Risk Calculator: an Analysis of 10,000 Patients. <i>Journal of Gastrointestinal Surgery</i> , 2021, 25, 1503-1511.	0.9	23
69	Risk of Venous Thromboembolism for Patients with Pancreatic Ductal Adenocarcinoma Undergoing Preoperative Chemotherapy Followed by Surgical Resection. <i>Annals of Surgical Oncology</i> , 2019, 26, 1503-1511.	0.7	21
70	Prolonged intralymphatic delivery of dendritic cells through implantable lymphatic ports in patients with advanced cancer. <i>Journal of Surgical Research</i> , 2016, 4, 24.		19
71	The platelet NLRP3 inflammasome is upregulated in a murine model of pancreatic cancer and promotes platelet aggregation and tumor growth. <i>Annals of Hematology</i> , 2019, 98, 1603-1610.	0.8	19
72	Impact of postoperative pancreatic fistula on long-term oncologic outcomes after pancreatic resection. <i>Hpb</i> , 2021, 23, 1269-1276.	0.1	19

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73	Redefining High-Volume Gastric Cancer Centers: The Impact of Operative Volume on Surgical Outcomes. <i>Annals of Surgical Oncology</i> , 2021, 28, 4839-4847.	0.7	17
74	Clinicopathologic Features and Outcomes of Early-Onset Pancreatic Adenocarcinoma in the United States. <i>Annals of Surgical Oncology</i> , 2020, 27, 1997-2006.	0.7	16
75	A Pancreatic Cancer Multidisciplinary Clinic Eliminates Socioeconomic Disparities in Treatment and Improves Survival. <i>Annals of Surgical Oncology</i> , 2021, 28, 2438-2446.	0.7	16
76	Mentorship and formal robotic proficiency skills curriculum improve subsequent generations' learning curve for the robotic distal pancreatectomy. <i>Hpb</i> , 2021, 23, 1849-1855.	0.1	16
77	Prevalence of intratumoral regulatory T cells expressing neuropilin-1 is associated with poorer outcomes in patients with cancer. <i>Science Translational Medicine</i> , 2021, 13, eabf8495.	5.8	16
78	Video review reveals technical factors predictive of biliary stricture and cholangitis after robotic pancreaticoduodenectomy. <i>Hpb</i> , 2021, 23, 144-153.	0.1	15
79	Digital Biomarkers of Symptom Burden Self-Reported by Perioperative Patients Undergoing Pancreatic Surgery: Prospective Longitudinal Study. <i>JMIR Cancer</i> , 2021, 7, e27975.	0.9	15
80	Feasibility, effectiveness and transferability of a novel mastery-based virtual reality robotic training platform for general surgery residents. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2022, 36, 7279-7287.	1.3	15
81	Current Pattern of Use and Impact of Pringle Maneuver in Liver Resections in the United States. <i>Journal of Surgical Research</i> , 2019, 239, 253-260.	0.8	14
82	Formal robotic training diminishes the learning curve for robotic pancreatoduodenectomy: Implications for new programs in complex robotic surgery. <i>Journal of Surgical Oncology</i> , 2021, 123, 375-380.	0.8	14
83	CT Radiogenomic Characterization of the Alternative Lengthening of Telomeres Phenotype in Pancreatic Neuroendocrine Tumors. <i>American Journal of Roentgenology</i> , 2018, 211, 1020-1025.	1.0	13
84	Comparative Outcomes of Adenosquamous Carcinoma of the Gallbladder: an Analysis of the National Cancer Database. <i>Journal of Gastrointestinal Surgery</i> , 2021, 25, 1815-1827.	0.9	13
85	Novel chemokine-like activities of histones in tumor metastasis. <i>Oncotarget</i> , 2016, 7, 61728-61740.	0.8	13
86	Neuroendocrine Tumors in Meckel's Diverticulum: Recommendation for Lymphadenectomy Regardless of Tumor Size Based on the NCDB Experience. <i>Journal of Gastrointestinal Surgery</i> , 2019, 23, 679-685.	0.9	12
87	Crowdsourced Assessment of Inanimate Biotissue Drills: A Valid and Cost-Effective Way to Evaluate Surgical Trainees. <i>Journal of Surgical Education</i> , 2019, 76, 814-823.	1.2	12
88	Predictors and outcomes of converted minimally invasive pancreaticoduodenectomy: a propensity score matched analysis. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2020, 34, 544-550.	1.3	12
89	SMAD4 loss is associated with response to neoadjuvant chemotherapy plus hydroxychloroquine in patients with pancreatic adenocarcinoma. <i>Clinical and Translational Science</i> , 2021, 14, 1822-1829.	1.5	12
90	Encouraging long-term survival following autophagy inhibition using neoadjuvant hydroxychloroquine and gemcitabine for high-risk patients with resectable pancreatic carcinoma. <i>Cancer Medicine</i> , 2021, 10, 7233-7241.	1.3	12

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91	Failure to Treat: Audit of an Institutional Cancer Registry Database at a Large Comprehensive Cancer Center Reveals Factors Affecting the Treatment of Pancreatic Cancer. <i>Annals of Surgical Oncology</i> , 2017, 24, 2387-2396.	0.7	11
92	Inaccurate Clinical Stage Is Common for Gastric Adenocarcinoma and Is Associated with Undertreatment and Worse Outcomes. <i>Annals of Surgical Oncology</i> , 2021, 28, 2831-2843.	0.7	10
93	How I Do It: Robotic Pancreaticoduodenectomy. <i>Journal of Gastrointestinal Surgery</i> , 2019, 23, 1661-1671.	0.9	9
94	A margin distance analysis of the impact of adjuvant chemoradiation on survival after pancreatoduodenectomy for pancreatic adenocarcinoma. <i>Journal of Gastrointestinal Oncology</i> , 2017, 8, 696-704.	0.6	8
95	Predictors of Disease Progression or Performance Status Decline in Patients Undergoing Neoadjuvant Therapy for Localized Pancreatic Head Adenocarcinoma. <i>Annals of Surgical Oncology</i> , 2020, 27, 2961-2971.	0.7	8
96	Impact of Neoadjuvant Therapy on Survival Following Margin-Positive Resection for Pancreatic Cancer. <i>Annals of Surgical Oncology</i> , 2021, 28, 7759-7769.	0.7	8
97	RAGE-specific single chain Fv for PET imaging of pancreatic cancer. <i>PLoS ONE</i> , 2018, 13, e0192821.	1.1	7
98	Pleuropulmonary Recurrence Following Cytoreductive Surgery and Hyperthermic Intraperitoneal Chemoperfusion for Appendiceal Pseudomyxoma Peritonei. <i>Annals of Surgical Oncology</i> , 2019, 26, 1429-1436.	0.7	7
99	Disparities in Guideline-Concordant Treatment and Survival Among Border County Residents With Gastric Cancer. <i>JCO Oncology Practice</i> , 2022, 18, e748-e758.	1.4	6
100	Adjuvant Therapy is Associated with Improved Survival in pT1N1 Gastric Cancer in a Heterogeneous Western Patient Population. <i>Annals of Surgical Oncology</i> , 2019, 26, 167-176.	0.7	5
101	The presentation of Hispanic gastric cancer patients varies by location of patient ancestry. <i>Journal of Surgical Oncology</i> , 2021, 124, 1051-1059.	0.8	5
102	Trends and Disparities in Treatment Utilization for Early-Stage Hepatocellular Carcinoma in the Veteran Population. <i>Annals of Surgical Oncology</i> , 2022, 29, 5488-5497.	0.7	5
103	Adaptive Dynamic Therapy and Survivorship for Operable Pancreatic Cancer. <i>JAMA Network Open</i> , 2022, 5, e2218355.	2.8	5
104	Paradoxical Tumor Embolism and Recurrent Intracardiac Mass From Uterine Intravenous Leiomyomatosis. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2017, 31, 642-645.	0.6	4
105	Can post-hoc video review of robotic pancreaticoduodenectomy predict portal/superior mesenteric vein margin status in pancreatic adenocarcinoma?. <i>Hpb</i> , 2019, 21, 679-686.	0.1	4
106	Targeting TAM to Tame Pancreatic Cancer. <i>Targeted Oncology</i> , 2020, 15, 579-588.	1.7	4
107	Laparoscopic-assisted ERCP following RYGB: a 12-year assessment of outcomes and learning curve at a high-volume pancreatobiliary center. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2022, 36, 621-630.	1.3	4
108	Virtual Boot Camps—An Emerging Solution to the Undergraduate Medical Education—Graduate Medical Education Transition. <i>JAMA Surgery</i> , 2021, 156, 282.	2.2	4

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109	Nativity Status is an Important Social Determinant of Health for Hispanic Patients with Gastric Cancer in Texas. <i>Annals of Surgical Oncology</i> , 2022, 29, 3113-3121.	0.7	4
110	Association of robotic approach with patient-reported outcomes after pancreatectomy: a prospective cohort study. <i>Hpb</i> , 2022, 24, 1659-1667.	0.1	4
111	Minimally invasive gastrectomy for cancer and anastomotic options. <i>Journal of Surgical Oncology</i> , 2020, 122, 49-60.	0.8	3
112	dV-Trainer vs. da Vinci Simulator: Comparison of Virtual Reality Platforms for Robotic Surgery. <i>Journal of Surgical Research</i> , 2021, 267, 695-704.	0.8	3
113	Lenvatinib inhibits the growth of gastric cancer patient-derived xenografts generated from a heterogeneous population. <i>Journal of Translational Medicine</i> , 2022, 20, 116.	1.8	3
114	Pancreatic Cancer Presenting as a Pancreatic Duct Disruption. <i>Case Reports in Surgery</i> , 2019, 2019, 1-4.	0.2	2
115	The Relationship Between Surgeon Faculty Emotional Intelligence and Medical Student Evaluations. <i>Journal of Surgical Education</i> , 2021, 78, 604-611.	1.2	1
116	ASO Visual Abstract: A Pancreatic Cancer Multidisciplinary Clinic Eliminates Socioeconomic Disparities in Treatment and Improves Survival. <i>Annals of Surgical Oncology</i> , 2021, 28, 2449-2450.	0.7	1
117	Significance of Uncinate Duct Dilatation in IPMNs. <i>Annals of Surgery</i> , 2020, Publish Ahead of Print, .	2.1	1
118	Gaps in Providers' Knowledge Delays Gastric Cancer Diagnosis. <i>Journal of Gastrointestinal Surgery</i> , 2022, 26, 750-756.	0.9	1
119	Update on the Management of Pancreatic Cancer: Determinants for Surgery and Widening the Therapeutic Window of Surgical Resection. <i>Current Surgery Reports</i> , 2016, 4, 1.	0.4	0
120	ASO Visual Abstract: Nativity Status is an Important Social Determinant of Health for Hispanic Patients with Gastric Cancer in Texas. <i>Annals of Surgical Oncology</i> , 2022, , .	0.7	0