

Nicolas C Buchs

List of Publications by Year in descending order

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Version: 2024-02-01

116
papers

3,346
citations

147801

31
h-index

168389

53
g-index

119
all docs

119
docs citations

119
times ranked

3370
citing authors

#	ARTICLE	IF	CITATIONS
1	Incidence, consequences, and risk factors for anastomotic dehiscence after colorectal surgery: a prospective monocentric study. <i>International Journal of Colorectal Disease</i> , 2008, 23, 265-270.	2.2	364
2	Reducing Cost of Surgery by Avoiding Complications: the Model of Robotic Roux-en-Y Gastric Bypass. <i>Obesity Surgery</i> , 2012, 22, 52-61.	2.1	153
3	St.Gallen consensus on safe implementation of transanal total mesorectal excision. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2018, 32, 1091-1103.	2.4	140
4	Single Port Access Laparoscopic Cholecystectomy (with video). <i>World Journal of Surgery</i> , 2009, 33, 1015-9.	1.6	112
5	Learning curve for robot-assisted Roux-en-Y gastric bypass. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2012, 26, 1116-1121.	2.4	111
6	Intraoperative fluorescent cholangiography using indocyanin green during robotic single site cholecystectomy. <i>International Journal of Medical Robotics and Computer Assisted Surgery</i> , 2012, 8, 436-440.	2.3	87
7	The posterior approach for low retrorectal tumors in adults. <i>International Journal of Colorectal Disease</i> , 2007, 22, 381-385.	2.2	85
8	Laparoscopic Versus Robotic Roux-En-Y Gastric Bypass: Lessons and Long-Term Follow-Up Learned From a Large Prospective Monocentric Study. <i>Obesity Surgery</i> , 2014, 24, 2031-2039.	2.1	81
9	Augmented environments for the targeting of hepatic lesions during image-guided robotic liver surgery. <i>Journal of Surgical Research</i> , 2013, 184, 825-831.	1.6	72
10	Robotic Single-Port Cholecystectomy Using a New Platform: Initial Clinical Experience. <i>Journal of Gastrointestinal Surgery</i> , 2011, 15, 2182-2186.	1.7	71
11	Robot-Assisted Sleeve Gastrectomy for Super-Morbidly Obese Patients. <i>Journal of Laparoendoscopic and Advanced Surgical Techniques - Part A</i> , 2011, 21, 295-299.	1.0	71
12	Vascular invasion in pancreatic cancer: Imaging modalities, preoperative diagnosis and surgical management. <i>World Journal of Gastroenterology</i> , 2010, 16, 818-31.	3.3	69
13	Outcomes of Robot-Assisted Pancreaticoduodenectomy in Patients Older Than 70 Years: A Comparative Study. <i>World Journal of Surgery</i> , 2010, 34, 2109-2114.	1.6	68
14	Segmental duodenectomy for gastrointestinal stromal tumor of the duodenum. <i>World Journal of Gastroenterology</i> , 2010, 16, 2788.	3.3	67
15	Robot-assisted lung resection: outcomes and technical details. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2010, 11, 388-392.	1.1	61
16	Risk of Colorectal Cancer in Patients With Acute Diverticulitis: A Systematic Review and Meta-analysis of Observational Studies. <i>Clinical Gastroenterology and Hepatology</i> , 2019, 17, 1448-1456.e17.	4.4	61
17	Robotic revisional bariatric surgery: a comparative study with laparoscopic and open surgery. <i>International Journal of Medical Robotics and Computer Assisted Surgery</i> , 2014, 10, 213-217.	2.3	54
18	Real-time near-infrared fluorescent cholangiography could shorten operative time during robotic single-site cholecystectomy. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2013, 27, 3897-3901.	2.4	53

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19	Robotic bariatric surgery: A general review of the current status. International Journal of Medical Robotics and Computer Assisted Surgery, 2017, 13, e1834.	2.3	52
20	Robotic Transanal Endoscopic Microsurgery. Diseases of the Colon and Rectum, 2013, 56, 1194-1198.	1.3	49
21	Value of contrast-enhanced ¹⁸ F-fluorodeoxyglucose positron emission tomography/computed tomography in detection and presurgical assessment of pancreatic cancer: A prospective study. Journal of Gastroenterology and Hepatology (Australia), 2011, 26, 657-662.	2.8	48
22	Intestinal obstruction following use of laparoscopic barbed suture: A new complication with new material?. Minimally Invasive Therapy and Allied Technologies, 2012, 21, 369-371.	1.2	42
23	Augmented reality to the rescue of the minimally invasive surgeon. The usefulness of the interposition of stereoscopic images in the Da Vinci, robotic console. International Journal of Medical Robotics and Computer Assisted Surgery, 2013, 9, e34-8.	2.3	42
24	Robot-Assisted Oncologic Resection for Large Gastric Gastrointestinal Stromal Tumor: A Preliminary Case Series. Journal of Laparoendoscopic and Advanced Surgical Techniques - Part A, 2010, 20, 411-415.	1.0	41
25	Minimally invasive surgery versus percutaneous radio frequency ablation for the treatment of single small ($\leq 3\text{ cm}$) hepatocellular carcinoma: a case-control study. Surgical Endoscopy and Other Interventional Techniques, 2016, 30, 2301-2307.	2.4	40
26	International expert consensus guidance on indications, implementation and quality measures for transanal total mesorectal excision. Colorectal Disease, 2020, 22, 749-755.	1.4	40
27	Robotic single-site cholecystectomy. Journal of Hepato-Biliary-Pancreatic Sciences, 2014, 21, 18-25.	2.6	38
28	Robot-assisted partial and total splenectomy. International Journal of Medical Robotics and Computer Assisted Surgery, 2011, 7, 482-488.	2.3	36
29	Perioperative Risk Assessment in Robotic General Surgery. Archives of Surgery, 2012, 147, 701-8.	2.2	35
30	Transanal total mesorectal excision: A valid option for rectal cancer?. World Journal of Gastroenterology, 2015, 21, 11700.	3.3	35
31	Robotic versus open liver resections: A case-matched comparison. International Journal of Medical Robotics and Computer Assisted Surgery, 2017, 13, e1800.	2.3	33
32	Learning Tools and Simulation in Robotic Surgery: State of the Art. World Journal of Surgery, 2013, 37, 2812-2819.	1.6	32
33	Abdominal wall endometriosis: An 11-year retrospective observational cohort study. European Journal of Obstetrics and Gynecology and Reproductive Biology: X, 2019, 4, 100096.	1.1	31
34	Natural history of uncomplicated sigmoid diverticulitis. World Journal of Gastrointestinal Surgery, 2015, 7, 313.	1.5	30
35	Image-guided surgery. Current Problems in Surgery, 2015, 52, 476-520.	1.1	28
36	Partial splenectomy in the era of minimally invasive surgery: the current laparoscopic and robotic experiences. Surgical Endoscopy and Other Interventional Techniques, 2015, 29, 3618-3627.	2.4	28

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37	Three-dimensional laparoscopy: a step toward advanced surgical navigation. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2013, 27, 692-693.	2.4	27
38	Rectal Outcomes After a Liver-First Treatment of Patients with Stage IV Rectal Cancer. <i>Annals of Surgical Oncology</i> , 2015, 22, 931-937.	1.5	27
39	Robotic palliation for unresectable pancreatic cancer and distal cholangiocarcinoma. <i>International Journal of Medical Robotics and Computer Assisted Surgery</i> , 2011, 7, 60-65.	2.3	26
40	Robot-Assisted Roux-en-Y Gastric Bypass for Super Obese Patients: A Comparative Study. <i>Obesity Surgery</i> , 2013, 23, 353-357.	2.1	26
41	Non-excisional laser therapies for hemorrhoidal disease: a systematic review of the literature. <i>Lasers in Medical Science</i> , 2021, 36, 485-496.	2.1	26
42	Docking of the da Vinci Si Surgical System® with single-site technology. <i>International Journal of Medical Robotics and Computer Assisted Surgery</i> , 2013, 9, 12-16.	2.3	25
43	Robot-Assisted Treatment of Splenic Artery Aneurysms. <i>Annals of Vascular Surgery</i> , 2011, 25, 377-383.	0.9	23
44	Transarterial embolization in acute colonic bleeding: review of 11 years of experience and long-term results. <i>International Journal of Colorectal Disease</i> , 2013, 28, 777-782.	2.2	23
45	Perirenal Fat Surface Area as a Risk Factor for Morbidity After Elective Colorectal Surgery. <i>Diseases of the Colon and Rectum</i> , 2014, 57, 201-209.	1.3	23
46	Early clinical experience with the da Vinci Xi Surgical System in general surgery. <i>Journal of Robotic Surgery</i> , 2017, 11, 347-353.	1.8	23
47	Intestinal stem cells and intestinal homeostasis in health and in inflammation: A review. <i>Surgery</i> , 2016, 159, 1237-1248.	1.9	22
48	Robotic single-site versus multiport laparoscopic cholecystectomy: a case-matched analysis of short- and long-term costs. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2018, 32, 1550-1555.	2.4	22
49	Robotic versus laparoscopic stapling during robotic Roux-en-Y gastric bypass surgery: a case-matched analysis of costs and clinical outcomes. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2018, 32, 472-477.	2.4	21
50	Reliability of robotic system during general surgical procedures in a university hospital. <i>American Journal of Surgery</i> , 2014, 207, 84-88.	1.8	20
51	Suspicion of appendicitis in pregnant women: emergency evaluation by sonography and low-dose CT with oral contrast. <i>European Radiology</i> , 2019, 29, 345-352.	4.5	20
52	Totally robotic right colectomy: a preliminary case series and an overview of the literature. <i>International Journal of Medical Robotics and Computer Assisted Surgery</i> , 2011, 7, 348-352.	2.3	19
53	Early experience with robotic rectopexy. <i>International Journal of Medical Robotics and Computer Assisted Surgery</i> , 2013, 9, e61-e65.	2.3	19
54	Subtotal colectomy for ulcerative colitis: lessons learned from a tertiary centre. <i>Colorectal Disease</i> , 2017, 19, O153-O161.	1.4	19

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55	Optimizing electrode implantation in sacral nerve stimulation – an anatomical cadaver study controlled by a laparoscopic camera. <i>International Journal of Colorectal Disease</i> , 2007, 23, 85-91.	2.2	18
56	Safety of robotic general surgery in elderly patients. <i>Journal of Robotic Surgery</i> , 2010, 4, 91-98.	1.8	18
57	Robotic laparoendoscopy single site surgery: a transdisciplinary review. <i>International Journal of Medical Robotics and Computer Assisted Surgery</i> , 2013, 9, 1-11.	2.3	17
58	Prophylactic Negative-pressure Wound Therapy Prevents Surgical Site Infection in Abdominal Surgery: An Updated Systematic Review and Meta-analysis of Randomized Controlled Trials and Observational Studies. <i>Clinical Infectious Diseases</i> , 2021, 73, e3804-e3813.	5.8	17
59	Vascular invasion in pancreatic cancer: evaluation of endoscopic ultrasonography, computed tomography, ultrasonography, and angiography. <i>Swiss Medical Weekly</i> , 2007, 137, 286-91.	1.6	17
60	Traditional Versus Single-site Placement of Adjustable Gastric Banding: A Comparative Study and Cost Analysis. <i>Obesity Surgery</i> , 2011, 21, 815-819.	2.1	16
61	Stereoscopic augmented reality for da Vinci [®] robotic biliary surgery. <i>International Journal of Surgery Case Reports</i> , 2013, 4, 365-367.	0.6	16
62	Endoscopically assisted extralevator abdominoperineal excision. <i>Colorectal Disease</i> , 2015, 17, O277-80.	1.4	16
63	Management of Tumors of the Ischioanal Fossa. <i>Diseases of the Colon and Rectum</i> , 2015, 58, 938-942.	1.3	16
64	Robotic single-incision laparoscopic cholecystectomy. <i>Journal of Robotic Surgery</i> , 2012, 6, 273-274.	1.8	15
65	Robot-assisted gastrectomy for cancer. <i>Minerva Gastroenterologica E Dietologica</i> , 2011, 57, 33-42.	2.2	15
66	Current status of robotic liver resection: a systematic review. <i>Expert Review of Anticancer Therapy</i> , 2014, 14, 237-246.	2.4	14
67	Transanal total mesorectal excision for rectal cancer: the journey towards a new technique and its current status. <i>Expert Review of Anticancer Therapy</i> , 2016, 16, 1145-1153.	2.4	14
68	Three-dimensional laparoscopy: a new tool in the surgeon's armamentarium. <i>Surgical Technology International</i> , 2013, 23, 19-22.	0.2	14
69	Robotic technology: Optimizing the outcomes in rectal cancer?. <i>World Journal of Clinical Oncology</i> , 2015, 6, 22.	2.3	13
70	Circulating Tumour Cells, Circulating Tumour DNA and Circulating Tumour miRNA in Blood Assays in the Different Steps of Colorectal Cancer Management, a Review of the Evidence in 2019. <i>BioMed Research International</i> , 2019, 2019, 1-11.	1.9	12
71	Lessons learned from one thousand consecutive colonic resections in a teaching hospital. <i>Swiss Medical Weekly</i> , 2007, 137, 259-64.	1.6	12
72	Roux-en-Y gastric bypass for super obese patients: what approach?. <i>International Journal of Medical Robotics and Computer Assisted Surgery</i> , 2016, 12, 276-282.	2.3	11

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73	The role of perineal application of prophylactic negative-pressure wound therapy for prevention of wound-related complications after abdomino-perineal resection: a systematic review. <i>International Journal of Colorectal Disease</i> , 2021, 36, 19-26.	2.2	11
74	Value of performing routine postoperative liquid contrast swallow studies following robot-assisted Roux-en-Y gastric bypass. <i>Swiss Medical Weekly</i> , 2012, 142, w13556.	1.6	11
75	Mycotic aneurysm of the superior mesenteric artery. <i>Surgery</i> , 2013, 153, 133-134.	1.9	10
76	Total mesorectal excision with and without lateral lymph node dissection: a systematic review of the literature. <i>International Journal of Colorectal Disease</i> , 2020, 35, 1183-1192.	2.2	10
77	Transanal total mesorectal excision: Myths and reality. <i>World Journal of Clinical Oncology</i> , 2016, 7, 337.	2.3	10
78	Cell Therapy for Anal Sphincter Incontinence: Where Do We Stand?. <i>Cells</i> , 2021, 10, 2086.	4.1	9
79	Impact of robotic general surgery course on participants' surgical practice. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2013, 27, 1968-1972.	2.4	8
80	Surgical resection does not avoid the risk of diverticulitis recurrence—a systematic review of risk factors. <i>International Journal of Colorectal Disease</i> , 2021, 36, 227-237.	2.2	8
81	Training in Robotic General Surgery: The Next Challenge. <i>Advances in Robotics & Automation</i> , 2012, 01, .	0.2	8
82	Physical activity programmes for patients undergoing neo-adjuvant chemoradiotherapy for rectal cancer. <i>Medicine (United States)</i> , 2021, 100, e27754.	1.0	8
83	Prevention, chemoradiation and surgery for anal cancer. <i>Expert Review of Anticancer Therapy</i> , 2009, 9, 483-489.	2.4	7
84	Robotic single-site combined cholecystectomy and hysterectomy: Advantages and limits. <i>International Journal of Surgery Case Reports</i> , 2014, 5, 1025-1027.	0.6	7
85	Robotic Gastric Bypass Surgery in the Swiss Health Care System: Analysis of Hospital Costs and Reimbursement. <i>Obesity Surgery</i> , 2017, 27, 2099-2105.	2.1	7
86	The clinical significance of extraluminal air in Hinchey 1a diverticulitis: results from a retrospective cohort study with 10-year follow-up. <i>International Journal of Colorectal Disease</i> , 2019, 34, 2053-2058.	2.2	7
87	Mapping of aetiologies of gastroenteritis: a systematic review and meta-analysis of pathogens identified using a multiplex screening array. <i>Scandinavian Journal of Gastroenterology</i> , 2020, 55, 1405-1410.	1.5	6
88	Prevalence of Metastatic Lateral Lymph Nodes in Asian Patients with Lateral Lymph Node Dissection for Rectal Cancer: A Meta-analysis. <i>World Journal of Surgery</i> , 2021, 45, 1537-1547.	1.6	6
89	Sacral Chordoma: A Population-based Analysis of Epidemiology and Survival Outcomes. <i>Anticancer Research</i> , 2022, 42, 929-937.	1.1	6
90	Spontaneous dissection of the superior mesenteric artery and the right hepatic artery: a case report. <i>Journal of Medical Case Reports</i> , 2010, 4, 87.	0.8	5

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91	Laparoendoscopic Single-site Adjustable Gastric Banding. <i>Surgical Laparoscopy, Endoscopy and Percutaneous Techniques</i> , 2011, 21, e295-e300.	0.8	5
92	Laparoscopic-assisted percutaneous endoscopic gastrostomy in two patients who failed percutaneous endoscopic gastrostomy. <i>International Journal of Surgery Case Reports</i> , 2015, 13, 40-42.	0.6	5
93	The Impact of Pregnancy on Outcomes After Bariatric Surgery. <i>Obesity Surgery</i> , 2020, 30, 3001-3009.	2.1	5
94	Robotic and laparoscopic gastric bypass: are they comparable?. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2012, 26, 576-577.	2.4	4
95	Caecal diverticulitis can be misdiagnosed as acute appendicitis: a systematic review of the literature. <i>Colorectal Disease</i> , 2021, 23, 2515-2526.	1.4	4
96	New Trends in Robotic Colorectal Surgery. <i>Advances in Robotics & Automation</i> , 2014, 03, .	0.2	4
97	Changes in the gut bacterial communities in colon cancer surgery patients: an observational study. <i>Gut Pathogens</i> , 2022, 14, 2.	3.4	4
98	Fluorescence angiography likely protects against anastomotic leak in colorectal surgery: a systematic review and meta-analysis of randomised controlled trials. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2022, 36, 7775-7780.	2.4	4
99	Biological Treatment and the Potential Risk of Adverse Postoperative Outcome in Patients With Inflammatory Bowel Disease: An Open-Source Expert Panel Review of the Current Literature and Future Perspectives. <i>Crohn's & Colitis 360</i> , 2019, 1, .	1.1	3
100	Scoring systems as outcomes assessment of the treatments for haemorrhoidal disease: a systematic review of the literature. <i>International Journal of Colorectal Disease</i> , 2020, 35, 1015-1024.	2.2	3
101	Sexual organ-sparing with hydrogel spacer injections for rectal cancer radiotherapy: a feasibility pilot study. <i>British Journal of Radiology</i> , 2021, 94, 20200931.	2.2	3
102	Advanced applications of robotics in digestive surgery. <i>Translational Medicine @ UniSa</i> , 2011, 1, 21-50.	0.5	3
103	Single Port Access Laparoscopic Cholecystectomy (with Video): Reply. <i>World Journal of Surgery</i> , 2011, 35, 1150-1151.	1.6	2
104	Colonoscopy Should Be Performed After an Episode of Uncomplicated Diverticulitis. <i>Digestive Surgery</i> , 2019, 36, 357-357.	1.2	2
105	Does the Choice of Extraction Site During Minimally Invasive Colorectal Surgery Change the Incidence of Incisional Hernia? Protocol for a Systematic Review and Network Meta-Analysis. <i>International Journal of Surgery Protocols</i> , 2021, 25, 216-219.	1.1	2
106	Does lateral lymph node dissection for low rectal cancer improve overall survival? Protocol for a systematic review and meta-analysis. <i>International Journal of Surgery Protocols</i> , 2019, 17, 1-2.	1.1	1
107	The Evolution of Robotic TAMIS. , 2019, , 153-164.		1
108	Reply. <i>Clinical Gastroenterology and Hepatology</i> , 2019, 17, 212-213.	4.4	1

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109	Comment on: Meta-analysis of the role of colonoscopy after an episode of left-sided acute diverticulitis. <i>British Journal of Surgery</i> , 2019, 107, 153-153.	0.3	1
110	Prophylactic negative-pressure wound therapy for prevention of surgical site infection in abdominal surgery: a nationwide cross-sectional survey. <i>Updates in Surgery</i> , 2021, 73, 1983-1988.	2.0	1
111	Mapping of etiologies of computed tomography-proven acute colitis: a prospective cohort study. <i>Scientific Reports</i> , 2022, 12, .	3.3	1
112	Training Curriculum for Colorectal Cancer Surgery. <i>Hot Topics in Acute Care Surgery and Trauma</i> , 2019, , 285-296.	0.1	0
113	Current Trends in the Management of Low Rectal Tumors: Transanal Total Mesorectal Excision. <i>Current Colorectal Cancer Reports</i> , 2019, 15, 90-97.	0.5	0
114	Real-Time Near-Infrared Fluorescent Cholangiography During Robotic Single-Site Cholecystectomy. , 2015, , 107-115.		0
115	Robotic Liver Resection. <i>Juntendo Medical Journal</i> , 2015, 61, 121-125.	0.1	0
116	PROphylactic MESH (PROMESH) for stoma closure: does it reduce the incidence of incisional hernia? Protocol for a triple-blinded randomised controlled trial. <i>BMJ Open</i> , 2021, 11, e053751.	1.9	0