



Eastern Association for the Surgery of Trauma

Advancing Science, Fostering Relationships, and Building Careers

EAST's Landmark Papers From Paper to Landmark Paper

The Search for Landmark Papers

- Searched Web of Science Database
 - Authoritative information on number of times articles have been cited
 - Ability to sort by "Times cited"
 - Includes all citations from MEDLINE, the largest biomedical database
- **Titles, abstracts, keywords** and **subject headings** searched based on topic
 - Search range 1990-Present, English only
 - Limited to primary literature by excluding reviews, editorials, commentary

WHY Web of Science?

- Availability of Web of Science at reviewers' home institutions. Similar databases like Scopus were not available.
- Web of Science and Google Scholar track citations; PubMed does not.
- Google Scholar is computer programming curated. Web of Science is curated by humans.

Landmark Paper Selection Example

Example 1

Topic: Damage Control Laparotomy

Strategy

Title, abstract, keywords: "Damage Control" AND laparotomy

Rationale

Searching broadly in multiple fields is desirable since damage control laparotomy is a very specific topic.

Example 2

Topic: Upper GI Bleed

Strategy

Title: upper GI bleed OR upper gastrointestinal bleed OR upper GI bleeding OR upper gastrointestinal bleeding OR UGI bleed OR UGI bleeding OR upper gastrointestinal hemorrhage OR

Major Subject: gastrointestinal hemorrhage

Rationale

Searching the abstracts would return too many irrelevant citations that mention GI bleeding in passing (ex: as part of a list of adverse drug effects)

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O		
1	TITLE: (Appendicitis) OR TITLE: (Appendectom*)																
2	Refined by: LANGUAGES=(ENGLISH) AND [excluding] DOCUMENT TYPES=(REVIEW OR NEWS ITEM OR MEETING ABSTRACT OR NOTE OR HARDWARE REVIEW OR LETTER OR DISCUSSION OR POET																
3	Timespan=1990-2015. Indexes=SCI-EXPANDED, SSCI, A&HCI, CPCI-S, CPCI-SSH, BKCI-S, BKCI-SSH, ESCI, CCR-EXPANDED, IC.																
4																	
5																	
6																	
7																	
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24	Results found	3165															
25	Sum of the Times Cited	40823															
26	Average Citations per Item	12.9															
27	h-index	76															
28																	
29	Title	Authors	Source	TI	Publicatic	Total Citations	Average per Year	Publicatic	Volume	Issue	Beginning	Ending	Pt	DOI	1990	1991	1992
30	THE EPIDEMIOLOGY OF APPENDICITIS AND APPENDECTOMY IN THE UNITED-STATES	ADISS, I	AMERICA	NOV	1990	639	24.58	1990	132	5	910	925			0	1	3
31	ACUTE APPENDICITIS - CT AND US CORRELATION IN 100 PATIENTS	BALTHAZR	RADIOLO	JAN	1994	258	11.73	1994	190	1	31	35			0	0	0
32	A PROSPECTIVE RANDOMIZED TRIAL OF LAPAROSCOPIC VERSUS OPEN APPENDECTOMY	ATTWOOD	SURGERY	SEP	1992	246	10.25	1992	112	3	497	501			0	0	1
33	A PROSPECTIVE, RANDOMIZED COMPARISON OF LAPAROSCOPIC APPENDECTOMY WITH OPEN APPENDECTOMY	ORTEGA, A	AMERICA	FEB	1995	238	11.33	1995	169	2	208	213	10.1016/S		0	0	0
34	Has misdiagnosis of appendicitis decreased over time? A population-based analysis	Flum, DR,	JAMA	JUL	2001	220	14.67	2001	286	14	1748	1753	10.1001/ja		0	0	0
35	Laparoscopic versus open appendectomy - Outcomes comparison based on a large administrative database	Guller, U,	ANNALS	JAN	2004	217	18.08	2004	239	1	43	52	10.1097/0		0	0	0
36	APPENDICITIS - PROSPECTIVE EVALUATION WITH HIGH-RESOLUTION CT	BALTHAZR	RADIOLO	JUL	1991	202	8.08	1991	180	1	21	24			0	1	8
37	One-trocar appendectomy in pediatric surgery	Esposito, I	SURGICAL	FEB	1998	183	10.17	1998	12	2	177	178	10.1007/s		0	0	0
38	DIAGNOSIS OF ACUTE APPENDICITIS - VALUE OF UNENHANCED CT	MALONE, A	AMERICA	APR	1993	183	7.96	1993	160	4	763	766			0	0	0
39	Laparoscopic versus open appendectomy: A metaanalysis	Golub, R,	JOURNAL	MAY	1998	177	9.83	1998	186	5	545	553	10.1016/S		0	0	0
40	Appendectomy and protection against ulcerative colitis.	Andersson	NEW ENGL	MAR	2001	174	11.6	2001	344	11	808	814	10.1056/N		0	0	0
	Suspected acute appendicitis: Nonenhanced helical																

	A	B	C	D	E	F	G
1	TITLE: (Appendicitis) OR TITLE: (Appendectom*)	Full Text Link					
30	THE EPIDEMIOLOGY OF APPENDICITIS AND APPENDECTOMY IN THE UNITED-STATES	http://hollis.harvard.edu/HVD.everything.TN_medline2239906	ADDISS, DG; S	AMERICAN JOURNAL OF EPIDEMIOLOGY	NOV 1990	639	24.58
32	A PROSPECTIVE RANDOMIZED TRIAL OF LAPAROSCOPIC VERSUS OPEN APPENDECTOMY	ILL	ATTWOOD, SE	SURGERY	SEP 1992	246	10.25
33	A PROSPECTIVE, RANDOMIZED COMPARISON OF LAPAROSCOPIC APPENDECTOMY WITH OPEN APPENDECTOMY	https://phstwp2.partners.org/2443/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edsgao&AN=edsqcl16614123&site=eds-live&scope=site	ORTEGA, AE; S	AMERICAN JOURNAL OF SURGERY	FEB 1995	238	11.33
39	Laparoscopic versus open appendectomy: A metaanalysis	https://phstwp2.partners.org/2443/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=medc&AN=9583695&site=eds-live&scope=site	Golub, R; Siddi	JOURNAL OF THE AMERICAN COLLEGE OF SURGEONS	MAY 1998	177	9.83
43	Laparoscopic versus open appendectomy - A prospective randomized double-blind study	https://phstwp2.partners.org/2443/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=medc&AN=16135930&site=eds-live&scope=site	Katkhouda, N; S	ANNALS OF SURGERY	SEP 2005	160	14.55
49	LAPAROSCOPIC VERSUS OPEN APPENDECTOMY - PROSPECTIVE RANDOMIZED TRIAL	https://phstwp2.partners.org/2443/login?url=http://www.sciencedirect.com/science/article/pii/S014067369391757D	TATE, JUT; DA	LANCET	SEP 11 1993	163	6.65
51	Appendicitis: The impact of computed tomography imaging on negative appendectomy and perforation rates	https://phstwp2.partners.org/2443/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=medc&AN=9625125&site=eds-live&scope=site	Balthazar, EJ; S	AMERICAN JOURNAL OF GASTROENTEROLOGY	MAY 1998	138	7.67
53	LAPAROSCOPIC VERSUS OPEN APPENDECTOMY - A PROSPECTIVE EVALUATION	http://onlinelibrary.wiley.com/doi/10.1002/bjs.1800790837/abstract	MCANENA, OJ	BRITISH JOURNAL OF SURGERY	AUG 1992	137	5.71
54	RANDOMIZED CONTROLLED TRIAL OF APPENDECTOMY VERSUS ANTIBIOTIC-THERAPY FOR ACUTE APPENDICITIS	http://onlinelibrary.wiley.com/doi/10.1002/bjs.1800820207/abstract	ERIKSSON, S; S	BRITISH JOURNAL OF SURGERY	FEB 1995	134	6.38
56	RANDOMIZED CONTROLLED TRIAL COMPARING LAPAROSCOPIC AND OPEN APPENDECTOMY	http://onlinelibrary.wiley.com/doi/10.1002/bjs.1800801236/abstract	KUM, CK; NG	BRITISH JOURNAL OF SURGERY	DEC 1993	132	5.74
58	THE NATURAL-HISTORY OF APPENDICITIS IN ADULTS - A PROSPECTIVE-STUDY	https://phstwp2.partners.org/2443/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=medc&AN=7717781&site=eds-live&scope=site	TEMPLE, CL; S	ANNALS OF SURGERY	MAR 1995	126	6
64	MR imaging evaluation of acute appendicitis in pregnancy	https://phstwp2.partners.org/2443/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=medc&AN=16505393&site=eds-live&scope=site	Pedrosa, I; Levi	RADIOLOGY	MAR 2006	112	11.2
65	A prospective randomized comparison of laparoscopic appendectomy with open appendectomy: Clinical and economic analyses	https://phstwp2.partners.org/2443/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edselfp&AN=S0039606001156217&site=eds-live&scope=site	Long, KH; Ban	SURGERY	APR 2001	112	7.47
66	Appendectomy versus antibiotic treatment in acute appendicitis. A prospective multicenter randomized controlled trial	https://phstwp2.partners.org/2443/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=asx&AN=20988282&site=eds-live&scope=site	Styrud, J; Eriks	WORLD JOURNAL OF SURGERY	JUN 2006	111	11.1
70	Meta-analysis of randomized controlled trials comparing laparoscopic and open appendectomy	https://phstwp2.partners.org/2443/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=medc&AN=9950122&site=eds-live&scope=site	Garbutt, JM; S	SURGICAL LAPAROSCOPY & ENDOSCOPIC SURGERY	JAN 1999	106	6.24
81	Disconnect between incidence of nonperforated and perforated appendicitis - Implications for pathophysiology, and management	https://phstwp2.partners.org/2443/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=medc&AN=17522514&site=eds-live&scope=site	Livingston, Edw	ANNALS OF SURGERY	JUN 2007	92	10.22
82	Prospective randomized comparison of open versus laparoscopic appendectomy in men	https://phstwp2.partners.org/2443/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=medc&AN=8661828&site=eds-live&scope=site	Cox, MR; McC	WORLD JOURNAL OF SURGERY	MAR-APR 1996	92	4.6
	Laparoscopy not recommended for routine appendectomy in men: Results of a prospective	https://phstwp2.partners.org/2443/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=ed					

Methods

- Articles sorted according to descending number of overall citations
- Recent articles (<10 yrs since published) considered even if overall # of citations is low
- Titles reviewed and PDFs downloaded
- Abstract review
- Study chosen based on:
 - Clinical relevance (to surgeons)
 - Number of citations
- Additional select publications not meeting initial search criteria were also considered on the merit of historical importance or lack of sufficient high-quality search results.