Literature Search Tips

For GIS projects and analysis
Setting up Google Scholar (scholar.google.com)

Click on Library links, then type Tufts, then click on the Search tool. You should see Tufts appear in the list - check mark it, then press Save.
Literature Search – Barbara’s approach

- Google Scholar for an initial pass
  - Then click on “Get this item at Tufts”
- Takes you to the Tufts Library databases
  - Peer-reviewed articles
  - Citations
  - References
Literature Search Tips

- Use search terms for topics you are interested in (e.g., climate change, renewable energy, school transportation, bicycle planning)

- Add GIS–related search terms (see next slide)
Literature Search Tips

- Search terms to add to your interest list (one, not all!):
  - GIS (there will be confusion with GIs)
  - “Geographic information”
  - Spatial
  - Geographic
  - Review or Meta-analysis or Lessons (to find articles that are reviews of “what we know”)
  - Set time period as needed (e.g., 2005 or later)
Literature Search Tips – Additional Geospatial Analysis Terms

- Suitability
- Siting
- Site suitability
- Pattern
- Cluster
- Density
- Vulnerability
- Proximity
- Prioritize
- Accessibility or access
- Built environment
**Social vulnerability to climate variability hazards: A review of the literature**

SL Cutter, CT Emrich... - Final report to Oxfam... 2009 - adapt.oxfamamerica.org


[CITATION] **GIS and emergency management**

CT Emrich, SL Cutter... - ... SAGE Handbook of GIS and Society. London, ..., 2011

[Citation] **A natural-disaster management DSS for Humanitarian Non-Governmental Organisations**

J Tinguaro Rodríguez, B Vitoriano... - Knowledge-Based Systems, 2010 - Elsevier

... as response to every possible natural disaster at any place; second, their sophistication and requirements usually exceed those available in NGOs and countries requiring humanitarian aid. ...

[Citation] **Putting vulnerability to climate change on the map: a review of approaches, benefits, and risks**

BL Preston, EJ Yuen... - Sustainability Science, 2011 - Springer

... For example, in a review of geospatial data and tools for disaster management, the National Research ... Despite evidence of the benefits of vulnerability mapping, there is also evidence that the power of ... “There is an implicit, sometimes explicit, assumption that using GIS at this ...

[Citation] **GIS-based method for the environmental vulnerability assessment to volcanic ashfall at Etna Volcano**

S Rapicetta... - Geoinformatica, 2009 - Springer

... 5. Birkmann J (editor) (2006) Measuring Vulnerability to Natural Hazards—Towards Disaster Resilient Societies. ... (2000) Young Author GIS Prize, Federazione ... in volcanology, at the “La Sapienza” University of Rome, where also he obtained a master on Humanitarian Aids in ...

[Citation] **Participatory Mapping and Participatory GIS (PGIS) for CRA, Community DRR and Hazard Assessment**

MK McCall - Geneva: ProVention, 2008 - itc.nl

... They review a number of standard DRR methodologies including PRA; Vulnerability & Capacity assessment, and CRA, but do make much use of geospatial tools like PGIS. ... (Douglas-Bate 2003). Cf Applying GIS in a humanitarian crisis in Kosovo (Smith 2000). ...
A case study in the misuse of GIS. Siting a low-level radioactive waste disposal facility in New York State
M Monmonier - Proceedings of Conference on Law and ..., 1994 - spatial.maine.edu
... Unfortunately, the Nuclear Regulatory Commission (NRC), which advocated GIS in a ten-page pamphlet on LLRW siting, offered no guidance on spatial resolution or data quality (US Nuclear Regulatory Commission 1988, 7-8). In advertising for a contractor to carry out data...
Cited by 12 - Related articles - Cached - All 3 versions

Democratic input into the nuclear waste disposal problem: The influence of geographical data on decision making examined through a Web-based GIS
AJ Evans, R Kingston... - Journal of geographical systems, 2004 - Springer
... and raw data; • a sequence of increasingly complex questions and tasks concerning radioactive waste management and the siting of storage ... In particular, users work through a GIS system that allows them to input where they believe a national nuclear waste repository ...
Cited by 21 - Related articles - BL Direct - All 7 versions

Can we learn from failure? Examining US experiences with nuclear repository siting
... TOP-DOWN SITING APPROACH Like essentially all nuclear waste siting efforts in the USA to date, the New York Siting Commission had ... of the effort to identify a site, particularly in light of the relatively limited capacities of the Geographic Information System (GIS) available at ...
Cited by 27 - Related articles - BL Direct - All 7 versions

Developing and Testing an Online Tool for Teaching GIS Concepts Applied to Spatial Decision-making
S Canver, A Evans... - Journal of Geography in Higher ..., 2004 - Taylor & Francis
... The development and testing of a Web-based GIS e-learning resource is described. This focuses on the application of GIS for siting a nuclear waste disposal facility and the associated principles of spatial decision-making using Boolean and weighted overlay methods. ...
Cited by 23 - Related articles - All 6 versions

Resolving the siting impasse: modeling social and environmental locational criteria with a geographic information system
DJ Lober - Journal of the American Planning Association, 1995 - Taylor & Francis
... For example, in siting a nuclear power plant, access to cooling water may be very important, and the slope of the land less so. ... Dueker 1987; Harris 1989; Levine and Lan- dis 1989; Tomlin 1990; Congalton and Green 1992; Green 1992). With regard to siting, a GIS can be ...
Cited by 41 - Related articles - BL Direct - All 2 versions
A GIS-based framework for the evaluation of building façade performance and maintenance prioritization
B. Kyle, M. Lacasse... - ... on the Durability ..., 2010 - nparc.cisti-icist.nrc-cnrc.gc.ca
... The net result provides for location specific designs and selections of façade materials and insulation that result in reduced energy consumption and ... T 72 A GIS-Based Framework for the Evaluation of Building Façade Performance and Maintenance Prioritization; Brian Kyle ...
Cited by 6 - Related articles - All 3 versions

Using GIS-based distributed soil loss modeling and morphometric analysis to prioritize watershed for soil conservation in Bago river basin of Lower Myanmar
KT Hlaing, S Haruyama... - Frontiers of Earth Science in China, 2008 - Springer
... Morgan (1995) noted that when sufficient energy is no longer available to transport the particles, deposition ... complex or unattainable, it is relatively easy to understand, and it is compatible with GIS. ... The objective of our study is to prioritize sub-watersheds of the study area based ...
Cited by 2 - Related articles - All 4 versions

Integrated Community Energy Modelling: developing map-based models to support energy and emissions planning in Canadian communities
J. Webster, B. Korteling, B. Gilmour, K. Margerum... - strait-highlands.ns.ca
... ICEMs) employ Geographical Information Systems (GIS) to integrate spatial information on a community’s land use, building stock, transportation and energy systems and socio-economic characteristics. Using future scenarios, ICEMs support the prioritization of opportunities for ...
Related articles - View as HTML - All 2 versions

An Heuristic Approach to Renewable Energy Optimization
A. Walker - 2009 - link.aip.org
This paper describes a heuristic approach to identify and prioritize renewable energy ... The method rests upon the National Renewable Energy Laboratory’s (NREL) capabilities in ... cost and performance of technologies; geographic information systems (GIS) resource assessment ...
Look for This at Tufts

EMAP GIS
DM Shaw - ... of the twelfth annual ESRI User ..., 1992 - Environmental Systems Research ...

PROPOSAL FOR A NETWORK ASSET MANAGEMENT SYSTEM THROUGH THE INTEGRATION OF AN ASSET MANAGEMENT DATABASE AND EMERGING ...
..., H Suzuki, GE Energy - b-dig.iie.org.mx
... is a new surge of interest towards increasing the proportion of renewable energy supplies to ... This
History and philosophy of geography: real wars, theory wars
N Smith - Progress in Human Geography, 1992 - pgh.sagepub.com
... Neil Smith Department of Geography, Rutgers University, New Brunswick, NJ 08903, USA I GIS uber Alles The war against Iraq in 1990-91 was the first full-scale GIS war. ... Openshaw and the Iraq war notwithstanding, the GIS hoopla has cooled even as GIS Cited by 132 - Related articles - All 2 versions

[CITATION] Female GIS Report Rapes in Iraq War
M Mofleet... - Denver Post, 2004
Cited by 4 - Related articles - Look for This at Tufts

[CITATION] For female GIS combat is a fact: Many duties in Iraq put women at risk despite restrictive policy
AS Tyson - Washington Post, 2005
Cited by 4 - Related articles - Look for This at Tufts

Application of remote sensing and GIS to the study of land use/cover change and urbanization expansion in Basrah province, southern Iraq
AS Hadeel, MT Jabbar... - Geo-spatial Information Science, 2009 - Springer
Abstract In recent years, land use/cover dynamic change has become a key subject that needs to be dealt with in the study of global environmental change. In this paper, remote sensing and geographic information systems (GIS) are integrated to monitor, map, and ... Cited by 3 - Related articles - All 6 versions

[CITATION] After Saddam: assessing the reconstruction of Iraq
KM Pollack - Analysis Paper, 2004
Cited by 30 - Related articles - All 5 versions

A CNN Executive Says GIS in Iraq Target Journalists
R Boyd - New York Sun, 2005 - benperi.eu
02/08/05" New York Sun"--The head of CNN's news division, Eason Jordan, ignited an Internet firestorm last week when he told a panel at a World Economic Forum gathering in Davos, Switzerland, that the American military had targeted journalists during operations ... Cited by 2 - Related articles - View as HTML - Look for This at Tufts - All 3 versions

Potential applications of satellite remote sensing (SRS) and GIS in maximizing the use of water resources in the Middle East; examining Iraq as a case study
SMJ Baban - IAHS Publications-Series of Proceedings and ..., 1997 - books.google.com
Abstract The countries of the Middle East region are currently experiencing an increase in water demand. Consequently, water-resource managers and decision makers will be ... Cited by 6 - Related articles - View as HTML - Look for This at Tufts - All 3 versions

[PDF] from ntua.gr
Disasters

The Application of Geographic Information Systems and Global Positioning Systems in Humanitarian Emergencies: Lessons Learned, Programme Implications and Future Research

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Keywords:
- geographic information
- global positioning systems
- remote sensing
- satellite imagery
- humanitarian emergencies

Geographic information systems (GIS), global positioning systems and remote sensing have been increasingly used in public health settings since the 1990s, but application of these methods in humanitarian emergencies has been less documented. Recent areas of application of GIS methods in humanitarian emergencies include hazard, vulnerability, and risk assessments; rapid assessment and survey methods; disease distribution and outbreak investigations; planning and implementation of health information systems; data and

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CrossRef, PubMed, Web of Science® Times Cited: 78


CrossRef, PubMed, Web of Science® Times Cited: 404, ADS


Abstract | PDF(1220K) | References


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