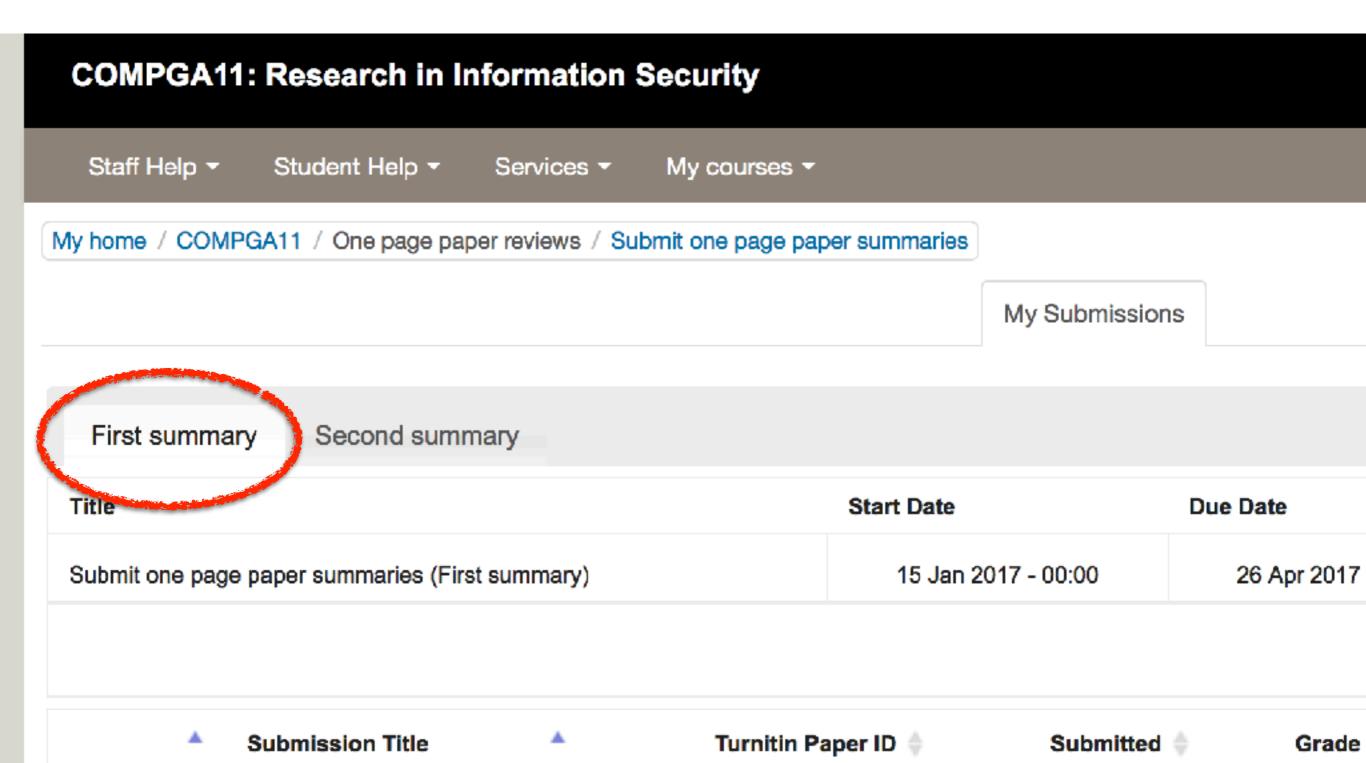
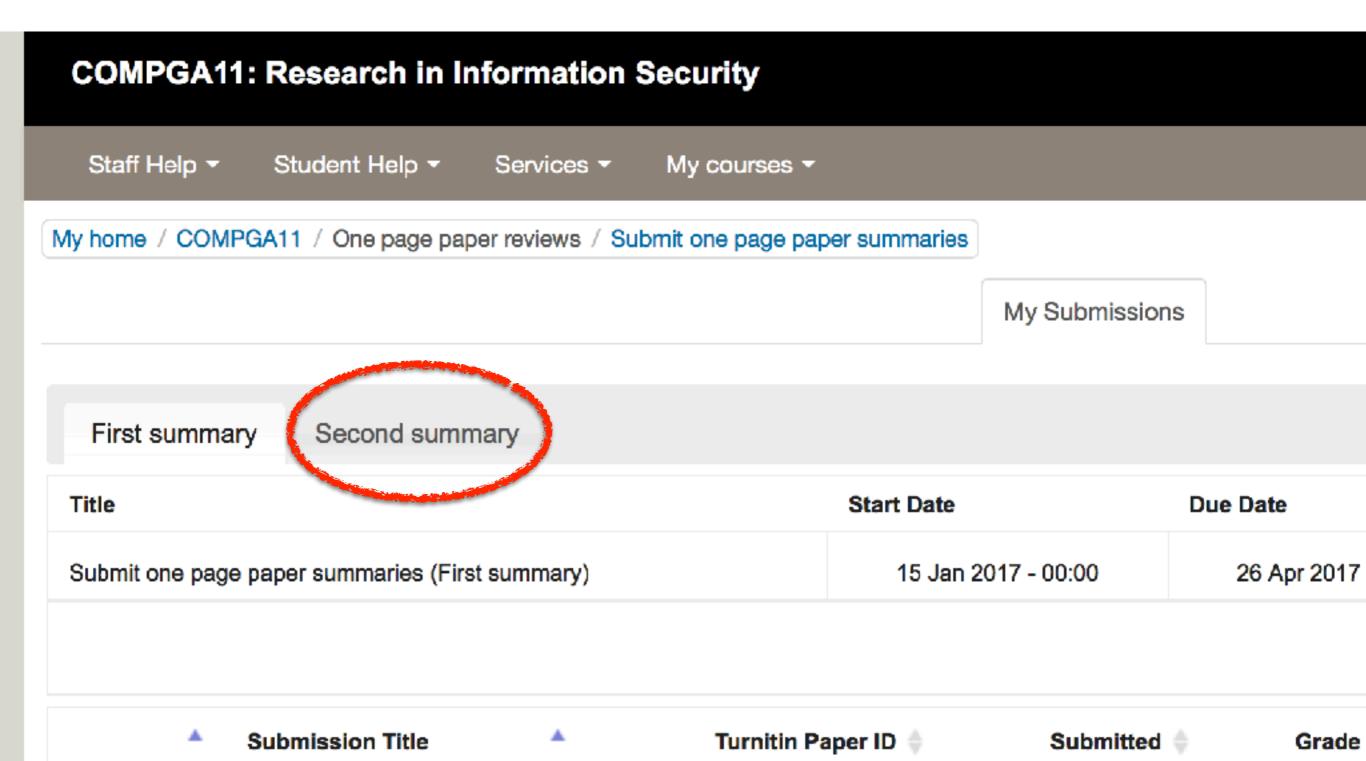
Submitting work on Moodle

COMPGA11:	Research in I	nformation	Security					≜UCL
Staff Help 🔻	Student Help 🔻	Services -	My courses 👻					Steven J Murdoch - Student
My home / COMPG/	A11 / One page pa	per reviews / Sul	bmit one page paper s	ummaries				
					My Submissions			
First summary	Second sum	mary						
Title			51	art Date		Due Date	Post Date	Marks Available
Submit one page pa	aper summaries (Fir	st summary)		15 Jan 20	017 - 00:00	26 Apr 2017 - 17:00	15 Jan 2017 - 00:0	00 100
								C Refresh Submissions
- Si	ubmission Title		Turnitin Paper	ID 🕀	Submitted	Grade 🔶	Overall Grade	<u>A</u>
							Sut	omit Paper 🕼

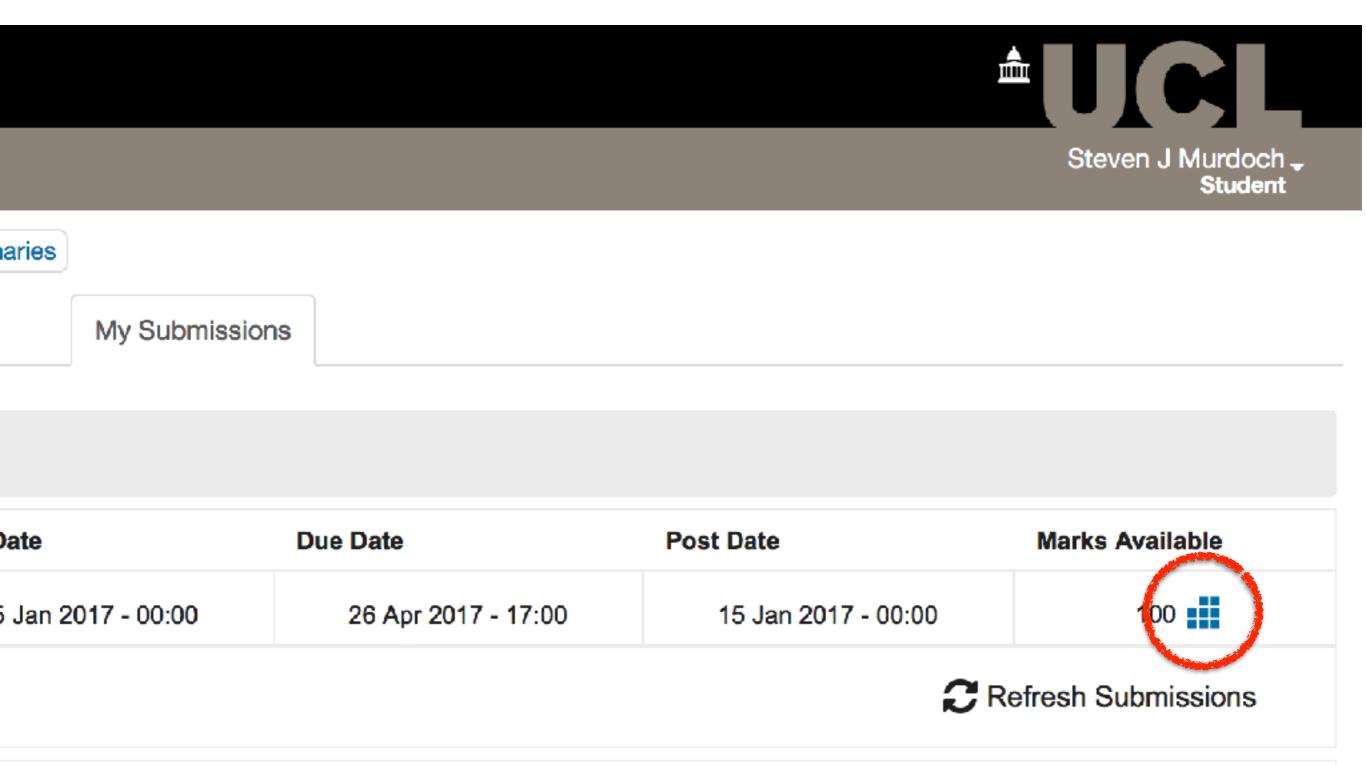
Submitting work on Moodle: first paper summary



Submitting work on Moodle: second paper summary



Submitting work on Moodle: viewing rubric

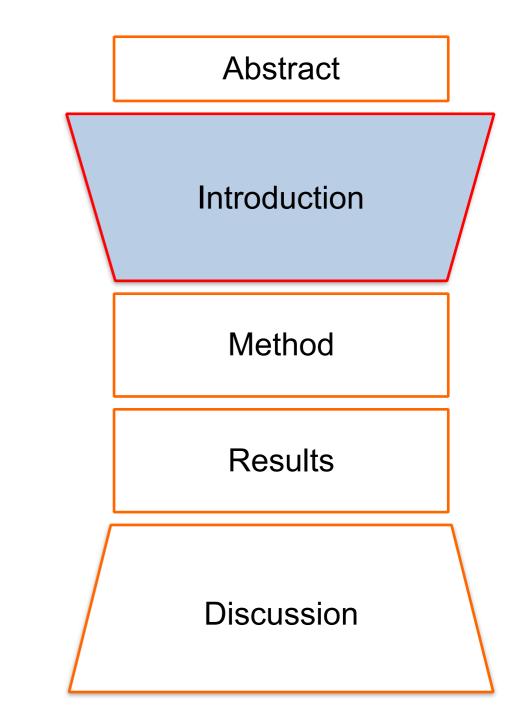


Questions about feedback for assessed coursework

- If you have questions or clarifications about the feedback, please ask Ruba in the first instance
- If you think there has been an error in marking then you can ask for it to be re-marked but marks may go up as well as down

Scientific Paper - Introduction

- Provides information needed to understand rest of the paper
- Has several parts:
 - The setting
 - Literature review
 - Need for more research
 - Purpose of current study
 - Value of current study
 - Contribution to field



Scientific Paper - Introduction



- Follow-up from gap identified in past research
- Describes which research questions the study set out to answer
- May also be a separate background section

	Abstract										
n	Introduction										
	Method										
	Results										
	Discussion										

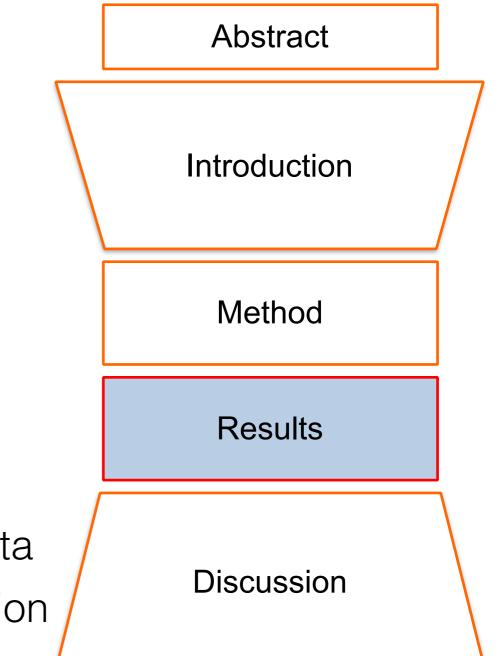
Scientific Paper - Method

- Describes steps taken in conducting study
 - Materials used at each step
 - Techniques used e.g. qualitative, quantitative, structural equation modelling etc.
 - Allows other researchers to replicate your study
 - Validate your results

Abstract]
Introduction	
Method	
Results	
Discussion	

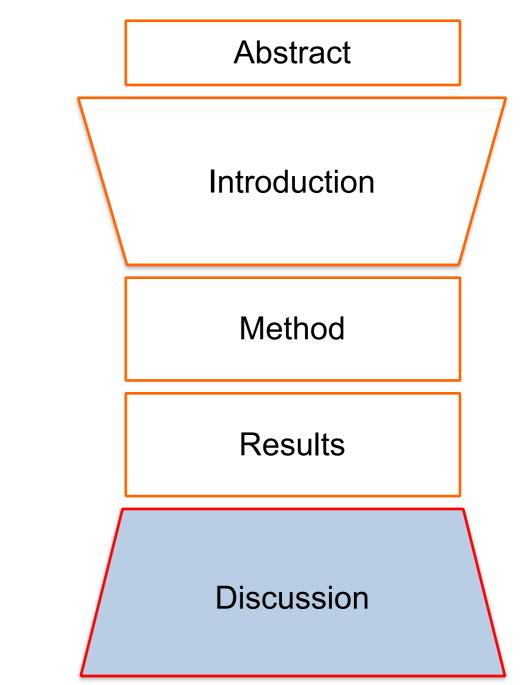
Scientific Paper - Results

- Describes steps taken in conducting study
 - Materials used at each step
- Presents the findings of your study
 - Includes figures and text
 - Descriptive statistics
 - Relationships between variables
 - Hypotheses supported?
 - Themes identified in qualitative data
- Claim Evidence vs. Fact Conclusion



Scientific Paper - Discussion

- Interprets the findings
 - Explains what findings imply
 - Tries to explain or speculate about the results obtained
- Can include conclusions
 - Summary of main findings
 - Recommendations
 - Contribution of research
 - Substantive
 - Methodological
 - Limitations of research
 - Future research



Presentations

- Many possible goals for a presentation
 - To inform
 - To persuade
 - To cover your back
- Typical goal of academic presentation is to encourage the right people to find out more

Formats of presentations

- Powerpoint has become dominant and expected style
 - Nested bullet lists
- Much to criticise
 - Low amount of information per slide
 - No context
 - Hides narrative
- See work by Edward Tufte

Review Of Test Data Indicates Conservatism for Tile Penetration

- The existing SOFI on tile test data used to create Crater was reviewed along with STS-107 Southwest Research data
 - Crater overpredicted penetration of tile coating significantly
 - Initial penetration to described by normal velocity
 - Varies with volume/mass of projectile(e.g., 200ft/sec for 3cu. In)
 - Significant energy is required for the softer SOFI particle to penetrate the relatively hard tile coating
 - Test results do show that it is possible at sufficient mass and velocity
 - Conversely, once tile is penetrated SOFI can cause significant damage
 - Minor variations in total energy (above penetration level) can cause significant tile damage
 - Flight condition is significantly outside of test database
 - Volume of ramp is 1920cu in vs 3 cu in for test

BOEING

Columbia Accident Investigation Report (p191)

6

Alternative approaches

- No Powerpoint
 - or just as "decoration"
- Something different
 - e.g. Prezi
- Handouts
 - Potential to be far richer in terms of information content (see Tufte, Cognitive Style of Powerpoint)
- Risk is that focus will be on style rather than content

We will not have a vocal chord left. The vocal chords will be eliminated by a process of evolution, as was the tail of man when he came from the ape.

Larry Lessig

zoom outside the slide and

e your ideas



Assertion-Evidence style

- Begin each body slide with a sentence-assertion headline that is left justified and no more than two lines
- Support the assertion headline with visual evidence (photographs, drawings, graphs, films, or words and equations arranged visually)—avoid bullet lists
- In the body of the slide, use words only when necessary—design your slides so that the audience reads no more than 20 words per minute

Checklist for Assertion–Evidence Slides (College of Engineering, Penn State)

Fragments quickly outpace the blast wave and become the primary hazard to personnel





7

Jared Rochester, "Three Primary Products of an Explosive," presentation (Aberdeen, MD: US Army Research Laboratory, 5 December 2005).

Goals of a Literature Review

- Understand the state of the art
 - What is current substantive knowledge?
 - What are the most important questions?
 - What research has been done most recently?
 - Who is doing the research?
 - What are they investigating?
- What is current methodological knowledge?
 - What research methods are being used?
 - What tools and techniques are being used?
 - How are results being analysed?

Why do a Literature Review?

- Help you understand current work in the field
- Can assist with understanding theoretical and practical problem
 - Can assist with hypotheses
- Helps identify <u>your</u> contribution
- Provides a firm foundation for your work
- Increases chances of paper being accepted
 - Stops comments from reviewers such as, "This paper should have considered the work of Smith et al. who performed an experiment very similar to the one described in this paper"

- You want to learn about an area
 - Look for textbook
 - If no textbook look for survey paper
 - e.g. ACM surveys, meta-analyses
 - If no survey papers, look into proceedings/authors
- Keeping up to date
 - Look at latest proceedings or papers in area
- Don't rely on Google/open-access/online papers
 - Be aware that others do

- Scientific articles
 - Follow the scientific method
 - Required to provide evidence for claims
 - Peer reviewed
 - Open to scrutiny and verification by readers
- Compare with
 - Commercial documents/reports
 - Beware of vendors' white papers
 - Newspaper and magazine articles
 - May be exaggerated to sell more newspapers

- Need to be selective
 - Search on Google Scholar in title field only (Jan 2014)
 - cryptography 14,000 hits
 - cryptography "public key" 7,550 hits
 - cryptography "public key" algorithms 147 hits
 - If search is anywhere in article 123,000 hits!
- Be clear about scope of literature review
 - Driven by your research question
 - However, may need to search outside main field
 - e.g. use of Q methodology in privacy research
 - Using an existing technique in a new field

- Google Scholar http://scholar.google.co.uk/
 - Search by author, year, journal, keyword in contents and title
 - Exact phrase search
 - Number of citations
 - Links to SFX@UCL when connected to UCL network
- UCL's metalib http://metalib-a.lib.ucl.ac.uk
 - Search by author, title, year
 - Recommend "Advanced" search
- Difference between searching on/off UCL network

- Citeseer
- Links articles to the ones they cite and the ones that cite them
 - https://citeseer.ist.psu.edu
- Researcher's own page(s)
 - Often have free copies of their papers
 - Try a friendly e-mail 😂
- Conference proceedings
 - WEIS, NSPW, SOUPS, CHI, EuroCrypt etc.

• DBLP

- Computer science bibliography
- Tabulates articles by:
 - Specific author
 - Specific conference or journal
- http://www.informatik.uni-trier.de/~ley/db/
- Web pages
 - Articles in quality newspapers, reports, presentations, TV programmes etc.
 - Use with care!
 - Avoid a bibliographies consisting of mainly URLs

- Identify key authors in the field
 - Seminal papers look for lots of citations
 - "A method for obtaining digital signatures and public-key cryptosystems" – Rivest, Shamir & Adleman – 13,659 citations
 - Privacy Nissenbaum, Westin, Acquisti, Cranor, etc.
- Questions to ask yourself
 - How relevant is this to my research?
 - How current is the work?
 - What have I not seen before?
 - Does it seem to be a credible source?
 - Is it well structured and easy to read?

Starting Out

- You will initially feel:
 - Overwhelmed
 - Ignorant
 - Confused
 - As though review will never end
- A methodical approach will assist you to:
 - Select the sources begin to understand the problem
 - Do active/effective reading
 - Create a well-organised literature review

Starting Out

- The foundation of a good literature review
 - A good research question
- Identify important journals and conferences in your area
- Use an iterative approach
 - Initial research question scopes initial literature search
 - Refine the research question
 - New search with refined research question
 - Repeat as necessary
 - The final scope of the review

Different Types of Reading

- Pleasure or general interest
 - e.g. fiction, magazines, blogs
- Functional
 - Aimed at achieving a specific goal
 - e.g. instruction manual, news
- Work
 - Also trying to achieve a goal
 - e.g. reports, news, research papers, contracts
- Don't confuse them

Active Reading

- Has an objective and expectations
- Selective about the text
 - Selects which text to read
- Selective within the text
 - Only read sections which are important to you
 - Don't necessarily read text from start to finish
- Critical
 - What is the quality of the source?
 - Critically read the text

Active Reading

- Ensures understanding
 - Re-reads text if necessary
 - Consult other sources
 - Come back to it!
- Probably uses printed version of text
 - Easy to annotate
 - Quickly move through text
 - Easier to cross-reference several documents

Effective Reading

- Work in correct environment
- Set goals for the reading
- Read in short sessions
 - Be realistic!
- Make notes summarise what is being said
 - Reading off a screen is often not sufficient
 - Use technique you feel comfortable with to organise knowledge
- Allow time to reflect and come back to the text

Managing Your Sources

- Use a bibliographic tool
 - Sometimes provides a plug-in for browsers and word processors
- Zotero bibliography management tool
 - www.zotero.org
 - Recommend standalone version
 - Plug-in for MS Word
 - Access via the web
 - 12 minute ISD introduction to Zotero at http://www.ucl.ac.uk/isd/common/resources/snippets/zotero

Zotero

00	JSTOR: Search Results											
	http://mutex.gmu.edu:2112/action/doAdvan	C X G esibethaneq										
😼 🌸 🔹	🞯 🕶 🔒 🧠 🖓 🔜 🔍 Search:	o 🖉 🖉 🖓										
Collections My Library Criticism Plays Comedies Tragedies Hamlet Sos-80s Criticism	Title Creator Creator A Polish Pantomime Hamlet Filipowicz a Hamlet Brecht and B On the Elizabethan Staging Childs The "Hamlet Year" Downer	No items selected										
Done		zotero /										

Mendely

	File Edit View Tools Help											
••	Add Delete Remove from Collection	Create Folder	 move	-		2 iync prary						Q Type here to search
ndeley isktop , Ewing, or - 20	My Library All Documents Recently Added Favorites Needs Review My Publications Unsorted Create Folder	×	All • •		ments (E Authors Falipou, S; Ch Colter, D C; C Cheek, B J; S	agent fo Rapid ex cells in cu t Chemilun	of cyanosilane coupling r direct binding of antib pansion of recycling stem ultures of plastic-adher ninescence detection for stion assays on the flo	Year 1999 2000 2001	Published : Bioconjugat chemistry Proceedings of the Na Analytical chemistry	3:48pm	New agen antit	Notes Journal Article use of cyanosilane coupling at for direct binding of bodies to silica supports. sicochemical characterization of
search iles 1	Groups Create Group Trash Trash		•	×	Bilenko, Mikh Le Blanc, Kata Gregory, Carl	Distance Distance Treatmen versus-h Dkk-1-de	to Combine Trained Metrics for Duplicate D Int of severe acute graft- ost disease with third p rived synthetic peptides in chloride for the cont	2002 2004 2005	Artificial Intelligence Lancet The Journal of biologi	3:48pm 3:48pm ^{III} 3:48pm	Authors	S. Falipou, J. Chovelon, C. Martelet et al.
search iles 2	Filter by Authors Al Ader, Robert Arvidson, J Bacigalupo, Andrea Ball, Lynne Bernardo, Maria Ester Bilenko, Mikhail		•	12 12	Eysenbach, G Le Blanc, K; S Edwards, Clai	Citizen a access a Transplar stem cell	advantage of open	2006 2007 2008	PLoS biology Leukemia : official jo Blood	3:48pm 3:48pm 3:48pm	Journal Year: Volume: Issue: Pages:	3
Vote Refs	Booth, J. G Cathignol, D Cheek, B J Chen, Xiaotian Chovelon, J M Class, R Colter, D C Conlow, Adam	-	•	×	Le Blanc, Kata Davis, P. M; L Adler, Robert	 Dpen ac download 	ymal stem cells for nt of steroid-resistant, s cess publishing, article ds, and citations: rando Statistics	2008 2008 2009	Lancet Bmj Statistical Science	3:48pm 3:48pm 3:47pm +	surface bifuncti chloros used w	ract: e protocol to fix biological species to silica-based as (silica microbeads and glass slides), using a ional silane reagent (3-cyanopropyl dimethyl ilane), is presented. This silane reagent was ithout further derivatization. This system led to but not covalent, linkage of antibodies through

93% X Searching for duplicates in your library

EndNote

EndNote X7 - [Sample_Library	X7.enlj					
File Edit References Groups To:	ols Window Ho	dip				
😺 🌑 🚱 Annotated	. 1	9 Q 4 1 4	🧶 🦢 🖹 🖹 🤣 🥝 😰 🔹	en cell 🖉	• 🛨 Hide Se	carch Panel
My Library +		Ser b. Options	Seanth White Larry	MH DI CANE	M-tub Words	Reference Proview The Fuh-2000-Bone marrow stem cel.pdf
All References	RT.	a designed as a second s				
Byrk Status		Author	M Contains		+-	C 🗎 👼 🖂 🛊 1 🔅 🗢 O 63% -
Unfiled	(0)	And 😽 Year	🗸 Contains 🗸		+-	
Trash	(0)	And 🖌 Ticle	🛩 Contains 🖌		-	 at the second sec
1.001		1.00	CSIKOF 5		CITES .	
∃- My Groups	1	a 🖉 Author 🔺 🛛 🛛	ear Title	Rating	Journal 📉	
Cognition-Al	(33)		J09 Tool use and physical cognition in birds and ma		Current Op	Bone Marrow Stem Cells for the Treatment of Ischemic Heart Disease: A Clinical Triat Review
Stem Cel	(22)	a second a second se	2007 Cognitive adaptations of social bonding in brok 2004 EUR-03ATS: The Agreement on the Conservat		Fhiosophic	Carthan Toold Bridge
Carlo Cer			010 Allogeneir homan mesen bymal sterrin		1 Biol Cher	L'adres Davissen
∃ Avian Intelligence			010 Fresh powder on Waddington's slopes	10000	EMBO Rcp	
🛞 Avlan Cognit on	(31)		011 Ravens reconcile after aggressive conflicts with		FLOS ONE	Regards in Sound, Mail Assessed 75 Grand Ville February and in 75 Data Ville
			009 Bone marrow stem cells for the treatm 002 Problem solving stals in young yellow-crowned		J Card ove) farfige three r Hanney shine 10:300
Corvids 🔁	(19)		202 Problem solving stals in young yellow-crowned 202 Large-billed crows (Corvus mecro hv in tos) has		Annial Cog Aninal Cog	Alternat Cashonanala disazo natistan scoppensi i petintecon, suinzi ultrari poputari. Horeya, con régultari na georieg conce d'acoltello and constitue disa de disare entre rationalitere, los na presente-selle
😸 Convids & Parrots	(6)		982 House bat management		round care	depter address in tabletad mittoria, As a smit, dente agen e telener ordenerouty & Ministre Biometry Rever and Basert & reported therefor, now to commonl designs Will a will use of
Parrots	(24)	Greer, E. L.; Mail 2	010 Members of the H3K4 trimethylation co		Nature	the encyclete mean point, arriving ment off theory - means secondaries for appendition over one- screents or its or spatial statistical. As occording - second role offeness theory offeness offeness through
- Talaka	No. A.	2 P. P. S. S. S. S. S. S. M. P. S.	000 Structure and function of the bat superior cliv		Microscopy	draws manner can obta servicing the new of time segmin, sympton, and with segmin of 000 happin manne-level any obta of manners of science, strengt inditional interest [14], here " Josses", They and, under anyone works. They if it approximate sympton, it is interest.
Dats			 Adaptive SONAP, sounds by echolocating bats Preconditioning and stem cell survival 		Sth Interna 💦 J Cardiovi	remarks suit a bind realities fail infactive as shere had deex, control menter in dret vitables, agin binds, advisegent vitable of sports for sports for infactor of a size size.
Chiropters	(22)		2008 Alex 8. Wet How a scientist and a parrot ciscov	vered a	Library Jou	restants defaulter, and attage and black link. This restants and provide prior being the link and an an and an an and an an and an and an and an an an and an and an an and an
			008 Bats use magnetize to detect the earth's magn		FLoS ONE	Bure during state Record or second compression in the
👘 Echnication	(6)	Hostaider, J. C.; 20	011 The social structure of Yew Caleconian crews	**	Animal Benz	Now Lode: Provide the provide the second structure of
Echalocation OR Sonar	(7)		010 Shushing down the epigenetic landscap		Developm	Kerserde Gill Daupy Des Mares Darefall sondiaca eth saud cashe 2-10. Tak tex public Overal electular laborate factore that Bases weath factor a second a sagisfree found the
Q SILW	(5)		000 Echo duration selectivity of the bat varies with 010 Generation of genome integration-free		Neurorepor 3 Biol Ches	Kolineographie chief device of feedbale gowth lances (FG7) [11, 2]. Control and an official provide method of gowth lances (FG7) [11, 2]. (1) and variable methods in given the rest (FG7) [11, 12].
R.un	and the second	MOS	010 Post-transplant immune reconstitution		Leuk Lym	A compare active atoms (5, 5) atoms (6, 5) atoms (7, 5) a
Find Full Text			010 The safety of acupuncture in children a		Support C	territorial des anticipation de la construction de
		Laudato, Arthony 20	010 Bird grooves to the beat		CBS Sunda:	accurately inframes made is left summaries (15)
			008 Brains, Brestyles and cognition: Are there gen		Erain Beha	medical exercises programment or the density of the task of the task of the density of the density of the task of tasks
		- U.	010 The paracrine effect: pivotal mechanism		J Cardiovi	h Tel T & Beam (2.1). The second seco
			010 Stem cell therapy for chronic myocardi	STOCK CONTRACTOR AND	J Cardiovi	Statis Linux and California. It for the art of the [34, 10], strength off
			303 Neurobiology of echolocation in bets 010 Danking human pluripotent stem cell lin	東京東京	Current Op 3 Dent Re	States: (1) 9335 SQL 131 Sectory attraction of the sectory and the sectory attraction of the sector
			309 Suidelines for concucting bird and bat stucies		JUCIERC	@senar
			010 Endogenous Wot /heta-catenin signalin		PLoS One	
			299 The Alex studies: Cognitive and communicative			
			999 Rethinking syntax: A commencary on E. Kako's	: "Een 🔺	AnimalLear	
		Pepperbeng I. N. 20	001 In search of King Sciomon's ring: Cognitive and		21st Annua	a attrateger Tess Res (BBR 1002)14 (BB
			J04 Cognitive and communicative capacities of gre		Annual Well	wate. Also: the concerning did concert, edges a consul, colorising approx. Ensures using functions is 5 and not use address of participly, a participly of the US since well determining with the
			006 Grey parrut (Psittacus erithatus) nunerita ab		Cun diuf (the whole restrict an process approvely preserve, and the cost once with PEOM one comparison that the set of an information is considered. Lands, transfer paper with PEOM one comparison if events the set of odd BM derived, adjust strends, [10], [2], since the right restriction of the set
		Pennerhent I. N. 21	III6 Contribute and communicative abilities of oray is	partnik	Anniad An	(i) which is an it was defined and appear and appear and appearing the rap to rap the defined on a site of the part intensity of 100 spatially tabled tok lines parts of intent second the spatial

BibTeX



👷 paper.bib (~/w/pt-taxonomy/paper) – VIM

M

46%

```
Carticle silentknock.
  added-at = {2009-09-23T00:00:00.000+0200},
  author = {Vasserman, Eugene Y. and Hopper, Nicholas and Tyra, James},
  biburl = {http://www.bibsonony.org/bibtex/2bc69eb4cb8755af854151bf2919b31a9/dblp},
  date = \{2009 - 09 - 23\},\
  description = {dblp},
  ee = {http://dx.doi.org/10.1007/s10207-008-0070-1},
  interhash = {91dd7a9069e0df4a9a935240c30da1fe},
  intrahash = {bc69eb4cb8755af854151bf2919b31a9},
  iournal = {Int. J. Inf. Sec.}.
  keywords = {dblp},
  number = 2.
  pages = \{121 - 135\},\
  tinestamp = {2009-09-23T00:00:00.000+0200},
  title = {Silent Knock : practical, provably undetectable authentication.},
  url = {http://dblp.uni-trier.de/db/journals/ijisec/ijisec8.html#VassermanHT09},
  volume = 8.
  year = 2009
I۶.
Ginproceedings bridgespa.
 author = {Smits, Rob and Jain, Divam and Pidcock, Sarah and Goldberg, Ian and Hengartner, Urs},
 title = {BridgeSPA: Inproving Tor Bridges with Single Packet Authorization},
 booktitle = {Proceedings of the 10th Annual ACM Workshop on Privacy in the Electronic Society},
 series = {WPES '11},
 year = {2011},
 isbn = {978-1-4503-1002-4},
 location = {Chicago, Illinois, USA},
 pages = \{93 - -102\},\
 numpages = \{10\}.
 url = {http://dci.acm.org/10.1145/2045556.2046559},
 doi = \{10.1145/2046556.2046559\},\
 acmid = {2046569},
 publisher = {ACM},
 address = {New York, NY, USA},
 keyvords = {blocking resistance, port knocking, privacy, tor}
3
@article{spator,
  title={SPATor: Improving Tor Bridges with Single Packet Authorization},
  author={Smits, Rob and Jain, Divam and Pidcock, Sarah and Goldberg, Ian and Hengartner, Urs}
1
@techreport(optimizing_proxy_placement,
    title = {Optimizing the Placement of Implicit Proxies},
    author = {Jacopo Cesareo and Josh Karlin and Michael Schapira and Jennifer Rexford},
    institution = {Department of Computer Science, Princeton University},
    nonth = {Jun},
    year = {2012},
3
@inproceedings{routing_around_decoys,
 author = {Schuchard, Max and Geddes, John and Thonpson, Christopher and Hopper, Nicholas},
 title = {Routing Around Decoys},
paper.bib
                                                                                                            550,1
```

BibTeX

asym insoc. censorpoore censorpoore Asymmetric Communication Usa. 2012 Q, Warg X, Cong C, H. K. Mg Constant Constant <th>00</th> <th></th> <th></th> <th>_</th> <th></th> <th></th> <th>💡 paper.b</th> <th>lb</th> <th></th> <th></th> <th></th> <th>- 1</th>	00			_			💡 paper.b	lb				- 1
International State International State Construction Second Author Thic Author Second Author Second Author Thic Author Second Author Second Author Thic Author Second Auth	8_ 📫	X	8	64						Q= Search Bibliograph	iy	3
Model Model <td< th=""><th></th><th>Edit</th><th>Delete T</th><th>eX Preview</th><th></th><th></th><th></th><th></th><th></th><th>Search</th><th></th><th>Cite Drawe</th></td<>		Edit	Delete T	eX Preview						Search		Cite Drawe
Lib 100 1										ð	53	-
Instruct instruct of the sec instructions in an Anti-Sec. 2012 P. Uncoln I. Vasion P. Partis P. Partis Instruct. instruct. instruct. instruct. instruct. instructions in an Anti-Sec. 2012 P. Uncoln I. Vasion P. Partis S. Addock With the second processing and declines and study in a second processing in a second processing and declines and study in a second processing in a second processing and declines and second processing in a second processing and declines and study in a second processing in a second processi		nost		-		-	-	N. Papagia	M. Faloucsos			
<pre> impore defane basis apping communications into art Anti-Ce. Aug. P. Lincoln I. Lincoln P. Paras.</pre>				-				I. Maron	D. Dorrar			
Note::::::::::::::::::::::::::::::::::::												
arrow a	Web	block				-						\smile
NT asm. instract	(emply)	DIDCK						D. Jan	3. HOCOCK			
initial granular Onita's Granular Distator of Governa. O. Initator O. Initator Initiator	RT	a sv/m						X Coss	G T K Na			www-users.cs.
Impoc collage Chipping Away at Censorship Trevells with User 2010 S. Larret N. Feamser: S. Vempla Impoc collage Chipping Away at Censorship Trevells with User 2010 S. Larret N. Feamser: S. Vempla Impoc cloud-trans Counter Inster, cloud-trans Counter Usersain Counter Usersain Impoc Cloud-trans Counter Usersain Counter Usersain Counter Usersain Impoc Counter Usersain Counter Usersain Counter Usersain Counter Usersain Impoc Code Counter Usersain Counter Usersain Counter Usersain Counter Usersain Impoc Code Counter Usersain Cover Tour ACK: Pitfals of Cover Channel Con		0.3y111		-		LUIL		A. Going	our renter to the second			Cover Your ACKs:
Impoc cirrigede Cirrigede Circumvention Infraturtures using Run. 2013 C. T. K. Ngu M. Caviar Impoc coundransson: Using Cloud Strass, Pitchis of Covert Channel Cen 2013 J. C. Micchian S. Maniello Impoc coundransson: Using Cloud Strass, Pitchis of Covert Channel Cen 2013 J. Cedes M. Schuchard N. Nopper Inpoc covert four ACKS, Pitchis of Covert Channel Cen 2013 J. Cedes M. Schuchard N. Nopper Inpoc cavet-sake Cover four ACKS, Pitchis of Covert Channel Cen 2013 J. Cedes M. Schuchard N. Nopper Inpoc cavet-sake Cover four ACKS, Pitchis of Covert Channel Cen 2013 J. Cedes M. Schuchard N. Nopper Inpoc cavet-sake Cover four ACKS, Pitchis of Covert Channel Cen 2013 J. Cedes M. Schuchard N. Nopper Inpoc cavet-sake Decov Routing: Toward Urblockable Interet Co Aug. J. Karin D. Blard A. W. Jackson Inpoc Bitgator: Ellipder: Cavet Abschucharture strasport Pr 2011 B. Wiev A. Wackson Inpoc Bernalle R. Teixeira A. Wackson Inpoc Bernalle R. Teixeira M. Schuchard N. Nather Inpoc Bernalle R. Teixeira<	TR.			-		2010		N Feamster	S Vemnala			
Impoc cloud-trans Cloud Strange for Censor	WORDS			-								
arride valide valide Commer Size Practices for Mitigating Large Scall Jul M. Mody M. Schuland N. Hopper honds inproc comer-sals. Schulang Commer Yaur ACKs: Pitfalls of Covert Channel Cen 2013 J. Geides M. Schuland N. Hopper honds inproc careball Decore Yaur ACKs: Pitfalls of Covert Channel Cen 2013 J. Geides M. Schuland N. Hopper honds inproc careball Decore Yaur ACKs: Pitfalls of Covert Channel Cen 2011 J. Karlin D. Ellard A.W. Jackson tensor inproc careball Decore Nauting: Toward Ubblockable Internet C. Aug	Emp (101)							-				
inproc. cover tour ACKs: Pitfalls of Covert Channel Cen. 2013 J. Geides M. Schuchard N. Hopper bpp inproc ceddes2013 Cover Your ACKs: Pitfalls of Covert Channel Cen. 2011 J. Karin D. Ellard A. W. Jackson bridge inproc fecdification Decor Routing: Toward Urblockable Internet Cen. 2011 J. Karin D. Ellard A. W. Jackson censo inproc fecdification Decor Routing: Toward Urblockable Internet Cen. 2013 J. Seides A. W. Jackson censo inproc fecdification Decor Routing: Toward Urblockable Internet Cen. 2013 J. Seides A. W. Jackson censo inproc fecdification Decor Routing: Toward Urblockable Internet Cen. 2013 D. J. Bernalle R. Teixeton censo inproc fecdification Decor Routing: Toward UrblockabbeInternet Tomarposting Cover 2013 D. J. Bernalle R. Teixeton censo inproc ethilagator: Elliptic-curve points IndistingUshable 2013 D. J. Bernalle R. Teixeton decor inproc fecdification Commercentretinfort Covereto Cantor Cantor	asym 🚺											
inproc. Cedes2013 Cover TOUR ACK: PITGIB of Covert Channel Cen. 2013 J. Karlin D. Ellard A. W. Jackson inproc. caruebal Decov Routing: Toward Unblockable Internet Co 2013 J. Karlin D. Ellard A. W. Jackson censo G Inproc follat-decov Decov Routing: Toward Unblockable Internet Co Aug. J. Karlin D. Ellard A. W. Jackson censo G Lethre: Anderson2 Dimming the Internet Tomsport Pr. 2011 B. Vierson2 C. Anderson2 censo G Inproc Bilgance: Elliogance: Ellio	behavi 💽											
bicki inproccurvetall Decoy Routing: Toward Urblockable Internet Co Aug., J. Karlin D. Ellard A.W. Jackson bindge inproc fictil - decoy Decoy Routing: Toward Urblockable Internet Co Aug., J. Karlin D. Ellard A.W. Jackson censo Utchre Anderson Dimming the Internet. Deciding Throuting as J 2013 C. Anderson censo Dimming the Internet. Deciding Throuting as J 2013 C. Anderson censo Dimming the Internet. Deciding Throuting as J 2013 C. Anderson censo Dimming the Internet. Deciding Throuting as J 2013 C. Anderson censo Dust at Blockling-Testistant Internet Transport Pr 2013 D. J. Barns M. Hamburg A. Krasnova cirripole Inproc												
bidge 0 inproc. for ll-decoy Decoy Routing Toward Unblockable internet Co. Aug. J. Karin 0. Ellard A.W. Jackson censol. 0 itchre. Anderson2. Dimming the Internet. Detucting Throttling as a. 2013 C.Anderson censol. 0 ttchre. Anderson2. Dimming the Internet. Detucting Throttling as a. 2013 C.Anderson censol. 0 ttchre. Anderson2. Dimming the Internet. Transport Pro. 2013 B. Wiley censol. 0 inproc Bernalle2007 Early Recognition of Encrypted Applications 2013 D.J. Berns. M. Hamburg A. Krasnova cirliped C. ellipatrication periods Indicting Unitaria Indite Unitaria Indicting Unitaria Indite Unitaria Indicting							-					
techne techne Anderson2 Dimming the Internet, Detecting Throttling as a 2013 C. Anderson techne dist Dust X Blocking-Resistant Internet Transport PM 2011 B. Wiley censo inproc Bernalle QCOT Envirouped Applications 2001 L. Bernalle R. Tekkeira censo inproc Bigator: 2013 Ellipator: 2013 Ellipator: 2013 Ellipator: 2013 L. Bernalle R. Tekkeira dolp inproc top, covert Enviroup Estimation for Real-Time Encrysted Tra 2013 D. J. Berns M. Hamburg A. Krasnova dolp entro inproc Enviroup Estimation for Real-Time Encrysted Tra 2011 D. Ill Enviroup entro inproc Iaksproxy Evading Covert Channel Into TCP/IP 2005 S. J. Mardoch S. Lewis dolp entro inproc Take Into TCP/IP 2011 N. Harbitry N. Harbitry N. Harbitry entro inproc Take I. Throtter Into TCP/IP 2012 D. Effeld N. Hardison J Elliptor.2014 N. Hardison J Elliptor.2014 N. Hardison J Elliptor.2014 S. Devise Into TcP/												
<pre>techno 0 improc Bernaille2C07 Early Recognition of Encrypted Applications 2007 L. Bernaille R. Teixeira improc Bernaille2C07 Early Recognition of Encrypted Applications 2007 L. Bernaille R. Teixeira improc ellipatric.2013 Ellipatric.2013 Ellipatric.2013 D. J. Berns M. Hamburg A. Krasnova improc ellipatric.2013 Ellipatric.2014 Elliphic-2014 S. Li M. Sthiep M. Hamburg A. Krasnova ento 0 improc flashproxy Evading Censorship with Browser-Based Proxies 2012 D. Fiffeld N. Hardison J. Ellithorpe ento 10 censo 10 censo improc flashproxy Evading Censorship with Browser-Based Proxies 2012 D. Fiffeld N. Hardison J. Ellithorpe ento 10 censo improc flashproxy Evading Censorship with Browser-Based Proxies 2012 D. Fiffeld N. Hardison J. Ellithorpe ento 10 censo improc flashproxy Evading Censorship Viteounderencing for Ce. 2014 S. Li M. Schliep N. Hopper improc Claytor206 Failures in a Hybrid Content Blocking System 2006 R. Clayton hosts 0 improc 2014 S. Li M. Schliep N. Hopper improc 10 Computer and Computer and Nicholas Hopper booktife computer and Computer and Nicholas Hopper Computer and Computer and Nicholas Hopper booktife computer and Computer and Nicholas Hopper computer and Computer and Nicholas Hopper booktife computer and Computer and Computers and Nicholas Hopper computer and Computer and Computers and Nicholas Hopper computer and Computer and Nicholas Hopper computer and Computer and Nicholas Hopper computer and Computer and Nicholas Hopper/computer and Nicholas Hopper computer and Computer and Nicholas Hopper/computer and Nicholas Hopper computer and Computer and Nicholas Hopper/computer and Nicholas Hopper/computer and Computer and Nicholas Hopper computer and Computer and Nicholas Hopper/computer and Nicho</pre>							-					
 censo 0 inproc Bernaille2007 Early Recognition of Encrypted Applications 2007 L Bernaille R. Teiseira censo 10 inproc Bernaille2007 Early Recognition of Encrypted Applications 2007 L Bernaille R. Teiseira censo 10, construction of the constructio												
censor. inproc elligator:2013 Elligator:2013 Elligator:2013 D. J. Sens M. Hamburg A. Krasnova cirripede inproc elligator:2013 Elligator:2013 Elligator:2014 D. J. Sens M. Hamburg A. Krasnova cirripede inproc elligator:2013 Elligator:2014 D. J. Sens M. Hamburg A. Krasnova cirripede inproc elligator:2013 Elligator:2014 D. J. Sens M. Hamburg A. Krasnova decorp inproc flashproxy Evading Covert Channels into TCP/IP 2005 S. J. Murdoch S. Lewis decorp inproc flashproxy Evading Convert Channels into TCP/IP 2013 D. J. Sens M. Hamburg A. Krasnova decorp inproc flashproxy Evading Covert Channels into TCP/IP 2015 D. J. Sens M. Hamburg A. Krasnova decorp inproc flashproxy Evading Covert Channel Construption Transport TransportTransport Transport T								R. Teixeira				
cirriged 0 in proc tcp_covert Embedding Covert Channels into TCP/IP 2005 S. J. Murdoch S. Lewis dbip entro incolle Dorfinger 2 Entropy Estimation for Real-Time Encrypted Tra 2011 P. Darfinger C. Ranholzer W. John decov 0 in proc facet Facet. Streaming over Videoconferencing for Ce 2012 D. Fifeld N. Hardison J. Elithorpe entro 0 in proc Clavton2006 Falures in a Hybrid Content Blocking System 2006 R. Clavton bisst 0 in proc Clavton2006 Falures in a Hybrid Content Blocking System 2006 R. Clavton bisst 0 in proc Clavton2006 Falures in a Hybrid Content Blocking System 2006 R. Clavton bisst 0 john Geddes and Mex Shuchard and Nikholas Hogoer Booklithe Computer and Communications Security pack 0 guilaser Addrees Zuila S. J. Mardoch S. Lewis S. J. Mardoch S. Lewis prot 1 Computer and Communications Security S. J. Mardoch S. Lewis S. J. Mardoch S. Lewis S. J. Mardoch S. Lewis prot 0 Pathioser Berlin, Germany Year Year S. J. Mardoch S. Lewis guilage 0 Vir Negref/www-users.cum.nedu/~hopper/tosil3-cya.pdf S. J.									A. Krasnova			
ddp entro incolle Dorfinger2 Entropy Estimation for Real-Time Encrypted Tra 2011 P. Dorfinger G. Panholzer W. John decov inproc flashprexy Exading Censorship with Browser-Based Proxies 2012 D. Fifeid N. Harcison J. Elithorpe host b inproc flashprexy Exading Censorship with Browser-Based Proxies 2014 S. Li M. Schliep N. Hopper host b inproc flashprexy Exating Censorship Circumvention (Proxesting) N. Schliep N. Hopper host b flashprexy Exating Censorship Circumvention (Proxesting) N. Schliep N. Hopper host b flashprexy Exating Censorship Circumvention (Proxesting) N. Schliep N. Hopper host b flashprexy Exating Censorship Circumvention (Proxesting) N. Schliep N. Hopper host b flashprexy Exating Censorship Circumvention (Proxesting) N. Schliep N. Hopper host b flashprexy Exating Censorship Circumvention (Proxesting) N. Schliep N. Schliep N. Schliep host b flashprexy Year 2013	l cirripede 🕦			-				-				
decoy inproc fashproxy Evading Censorship with Browser-Based Proxies 2012 D. Fifield N. Hardison J. Ellithorpe entron inproc facet Facet. Streaming over Videoconferencing for Ce 2014 S. Li M. Schliep N. Hopper host S inproc Clayton2006 Failures in a Hybrid Content Blocking System 2006 R. Clayton bosts bis Sto Cover Your ACKs: Pitfalls of Covert Channel Censorship Cincumvention (Processerge) N. Hardison J. Ellithorpe netwo john Geddes and Max Schuchard and Nicholas Hopper N. Hardison J. Ellithorpe netwo john Geddes and Max Schuchard and Nicholas Hopper N. Hardison J. Ellithorpe netwo john Geddes and Max Schuchard and Nicholas Hopper N. Hardison J. Ellithorpe netwo john Geddes and Max Schuchard and Nicholas Hopper N. Hardison J. Ellithorpe netwo john Geddes and Max Schuchard and Nicholas Hopper N. Hardison J. Ellithorpe notified Computer and Communications Security Security Security Security paster ACH AcHares Security Security <td>dblp 💽</td> <td>entro</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>W. John</td> <td></td> <td></td> <td></td>	dblp 💽	entro							W. John			
entrol. Censol inprocl facet Facet: Streaming over Videoconferencing for Ce 2014 S. Li M. Schliep N. Hopper host b 0 inprocl Clayton 2006 Failures in a Hybrid Content Blocking System 2006 R Clayton Cover Your ACKs: Pitfalls of Covert Channel Censorship Circumvention (Protectoring) Author job Geddes and Max Schuchard and Nicholas Hopper Booktice Cover Your ACKs: Pitfalls of Covert Channel Censorship Circumvention (Protectoring) Author job Geddes and Max Schuchard and Nicholas Hopper Booktice Conguer and Communications Security Year pack 0 Address protoc 10 Uri http://www-users.cs.umn.edu/~hopper/ccs13-cya.pdf Local Flies Reade: 0 Http://www-users.cs.umn.edu/~hopper/ccs13-cya.pdf Http://www-users.cs.umn.edu/~hopper/cc				-			-					
host b 0 inproc Clayton2006 Failures in a Hybrid Content Blocking System 2006 R. Clayton hosts' 0 pspol 0 cover-ds pspol 0 poin Geddes and Mex Schuchard and Nicholas Hopper lohn Geddes and Mex Schuchard and Nicholas Hopper lohn Geddes and Mex Schuchard and Nicholas Hopper boottitle computer and Communications Security Year pacsiv 0 plugg 0 publisher port k 0 Addreess Berlin, Germany protoc 0 Url http://www-users.cs.umn.edu/~hopper/cos13-cya.pdf Local Files Remote URLs http://www-users.cs.umn.edu/~hopper/cos13-cya.pdf http://www-users.cs.umn.edu/~hopper/cos13-cya.pdf	entro 🕦	censo	inproc	facet		2014	S. Li		-			
hosts' 0 pspot 0 port k 0 port k 0 pinger of port k.												
Ip Sp0 Concentration Improcessing netwo John Geddes and Max Schuchard and Nicholas Hopper netwo John Geddes and Max Schuchard and Nicholas Hopper Booktitle Computer and Communications Security passiv Computer and Communications Security passiv Publisher port k Actri privacy Berlin, Germany						•					_	
Author john Geddes and Max Schuchard and Nicholas Hopper nctWo john Geddes and Max Schuchard and Nicholas Hopper postlv Computer and Communications Security passlv Year 2013 2013 plugg ACPI Address Acdress privacy Berlin, Germany protoc Uri neal-ti Local Files sina w Remote URLs http://www-users.cs.umn.edu/~hopper/cstl3-cya.pdf stega http://www-users.cs.umn.edu/~hopper/cstl3-cya.pdf	_											
inctwoll john Geddes and Max Schuchard and Nicholas Hopper nctwoll Booktitle online Computer and Communications Security passile Year z013 Publisher port k ACM Address Berlin, Germany protoc Url http://www-users.cs.umn.adu/~hopper/tocs13-cya.pdf Local Files http://www-users.cs.umn.adu/~hopper/tocs13-cya.pdf sina w http://www-users.cs.umn.adu/~hopper/tocs13-cya.pdf stega http://www-users.cs.umn.adu/~hopper/tocs13-cya.pdf				G: Pitfalls of	Covert Channel Censorship Circumvention (rep	rocenting	50 (42					
online Computer and Communications Security passh Year 2013 2013 plugg Publisher ACM Address privacy Berlin, Germany real-cti http://www-users.cs.umn.edu/~hopper/ccs13-cya.pdf ina w Remote URLs stega http://www-users.cs.umn.edu/~hopper/ccs13-cya.pdf		Fuctor		es and Max Schuct	hard and Nicholas Hopper							
passiv Year 2013 piugg Publisher ACM Address privacy privacy Privacy CH Address brin, Germany Privacy CH Address privacy Brin, Germany CH Address Brin, Germany Ch Address Brin, Germany Drivacy Brin, Germany Ch Address Brin, Germany Drivacy Brin, Germany												
2013 piugg Publisher ACM Address privacy Berlin, Germany protoc Url http://www-users.cs.umn.adu/~hopper/ocs/3-cya.pdf Local Files sina w skype stega			Computer	and Communicati	ions Security							
Publisher ACM Address privacy Berlin, Germany protac Url http://www-users.cs.umn.edu/~hopper/ccs13-cya.pdf ceal Files sina w Remote URLs skype http://www-users.cs.umn.edu/~hopper/ccs13-cya.pdf	passiv 🕕	Tear	2013									
Address privacy 1 Berlin, Germany protoc1 Url http://www-users.cs.umn.edu/~hopper/ccs13-cya.pdf Local Files sina w1 Remote URLs http://www-users.cs.umn.edu/~hopper/ccs13-cya.pdf stega1	plugg 🕦	Publish										
privacy Berlin, Germany protoc Url http://www-users.cs.umn.edu/~hopper/ocs/3-cya.pdf Local Files sina w Remote URLs http://www-users.cs.umn.edu/~hopper/ocs/3-cya.pdf stega http://www-users.cs.umn.edu/~hopper/ocs/3-cya.pdf	port k 🚺											
protoc① Url http://www-users.cs.umn.edu/~hopper/ccs13-cya.pdf bcal Files sina w① skype stega①	privacy 🕕			TO BOY								
real-ti ① http://www-users.cs.umr.edu/~hopper/ccs13-cya.pdf Local Files Remote URLs http://www-users.cs.umn.edu/~hopper/ccs13-cya.pdf stega ①			bernin, oer									
sina w ① Remote URLs skype ① http://www-users.cs.umn.edu/~hopper/ccs13-cya.pdf stega ①				v-users.cs.umn.edu	a/~hopper/ocs13-cya.pdf							
skype http://www-users.cs.umn.edu/~hopper/ccs13-cya.pdf stega												
stega ①		Remote		vausers os umo edu	a/~honder/ors13-cva.odf							
			10000-0000		a nobben ora in charban							
teley O	stega 🕦											
	telex 🚺											
tor 100% \$	tor 🗾					_				1	100% \$	