Bart Preneel

List of Publications by Citations

359 papers	6,271 citations	39 h-index	61 g-index
394 ext. papers	7,090 ext. citations	1.4 avg, IF	5.99 L-index

#	Paper	IF	Citations
359	Mutual Information Analysis. *Lecture Notes in Computer Science*, **2008**, 426-442	0.9	282
358	A privacy threat analysis framework: supporting the elicitation and fulfillment of privacy requirements. *Requirements Engineering*, **2011**, 16, 3-32	2.7	241
357	Towards Measuring Anonymity. *Lecture Notes in Computer Science*, **2003**, 54-68	0.9	199
356	Hash functions based on block ciphers: a synthetic approach **1993**, 368-378		189
355	RIPEMD-160: A strengthened version of RIPEMD. *Lecture Notes in Computer Science*, **1996**, 71-82	0.9	180
354	FPDetective **2013**,		136
353	**2009**,		91
352	The cipher SHARK. *Lecture Notes in Computer Science*, **1996**, 99-111	0.9	82
351	Propagation Characteristics of Boolean Functions. *Lecture Notes in Computer Science*, **1991**, 161-173	0.9	81
350	State-of-the-art of secure ECC implementations: a survey on known side-channel attacks and countermeasures **2010**,		77
349	Chaskey: An Efficient MAC Algorithm for 32-bit Microcontrollers. *Lecture Notes in Computer Science*, **2014**, 306-323	0.9	76
348	A Toolbox for Cryptanalysis: Linear and Affine Equivalence Algorithms. *Lecture Notes in Computer Science*, **2003**, 33-50	0.9	72
347	**2006**,		71
346	Low-Cost Elliptic Curve Cryptography for Wireless Sensor Networks. *Lecture Notes in Computer Science*, **2006**, 6-17	0.9	70
345	A New Weakness in the RC4 Keystream Generator and an Approach to Improve the Security of the Cipher. *Lecture Notes in Computer Science*, **2004**, 245-259	0.9	66
344	PriPAYD: Privacy-Friendly Pay-As-You-Drive Insurance. *IEEE Transactions on Dependable and Secure Computing*, **2011**, 8, 742-755	3.9	59
343	On the Security of HMAC and NMAC Based on HAVAL, MD4, MD5, SHA-0 and SHA-1 (Extended Abstract). *Lecture Notes in Computer Science*, **2006**, 242-256	0.9	54

342	On the security of iterated message authentication codes. *IEEE Transactions on Information Theory*, **1999**, 45, 188-199	2.8	54
341	Distance Bounding in Noisy Environments. *Lecture Notes in Computer Science*, **2007**, 101-115	0.9	54
340	Cryptanalysis of White-Box DES Implementations with Arbitrary External Encodings **2007**, 264-277		54
339	Key-Recovery Attacks on Universal Hash Function Based MAC Algorithms. *Lecture Notes in Computer Science*, **2008**, 144-161	0.9	54
338	Analysis Methods for (Alleged) RC4. *Lecture Notes in Computer Science*, **1998**, 327-341	0.9	52
337	A New RFID Privacy Model. *Lecture Notes in Computer Science*, **2011**, 568-587	0.9	51
336	Attacks on Fast Double Block Length Hash Functions. *Journal of Cryptology*, **1998**, 11, 59-72	2.1	50
335	Hardware architectures for public key cryptography. *The Integration VLSI Journal*, **2003**, 34, 1-64	1.4	47
334	Authentication and payment in future mobile systems. *Lecture Notes in Computer Science*, **1998**, 277-293	0.9	45
333	MDx-MAC and Building Fast MACs from Hash Functions. *Lecture Notes in Computer Science*, **1995**, 1-14	0.9	45
332	Related-Key Rectangle Attacks on Reduced Versions of SHACAL-1 and AES-192. *Lecture Notes in Computer Science*, **2005**, 368-383	0.9	44
331	A Practical Attack on KeeLoq **2008**, 1-18		44
330	Seven-Property-Preserving Iterated Hashing: ROX **2007**, 130-146		43
329	Cryptanalysis of a Perturbated White-Box AES Implementation. *Lecture Notes in Computer Science*, **2010**, 292-310	0.9	43
328	Two Attacks on a White-Box AES Implementation. *Lecture Notes in Computer Science*, **2014**, 265-285	0.9	43
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324	Physical-layer fingerprinting of LoRa devices using supervised and zero-shot learning **2017**,		41
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322	A cross-protocol attack on the TLS protocol **2012**,		40
321	Publish or Perish: A Backward-Compatible Defense Against Selfish Mining in Bitcoin. *Lecture Notes in Computer Science*, **2017**, 277-292	0.9	39
320	A Provably Secure Anonymous Buyer–Seller Watermarking Protocol. *IEEE Transactions on Information Forensics and Security*, **2010**, 5, 920-931	8	38
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318	Remote attestation on legacy operating systems with trusted platform modules. *Science of Computer Programming*, **2008**, 74, 13-22	1.1	37
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310	Criteria towards metrics for benchmarking template protection algorithms **2012**,		33
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