

Publication list of Laszlo B. Kish

(Until 1999, his family name was Kiss)

January 2022.

439 items listed

(Conference posters without paper publication are omitted)

A: Patents and patent disclosures (25 items: 9 patents and 16 disclosures)

B: Books/edited journal issues/proceedings (18 items)

C: Peer reviewed journal articles (235 articles)

(C⁺: Invited review papers in peer reviewed journals: 6 articles)

(C: Regular papers in peer reviewed journals: 229 articles)

D: Invited and plenary talks at international conferences (67 articles)

E: Book chapters and regular talks at international conferences (94 articles)

A. Patents and patent disclosures (25 items)

(6 US patents, 3 Swedish patents and 16 disclosures of other inventions)

- A-25.** J. Song, **L.B. Kish**, "Linear resistor plugin with ultra-low noise temperature without cooling", TAMU patent disclosure, submitted on May 4, 2018; TAMU provisional patent application No. 62/720,786, filed on August 21, 2018.
- A-24.** G. Schmera, **L.B. Kish**, "Bacteria Identification by Phage Induced Impedance Fluctuation Analysis, BIPIF", US Patent US9645101B2 (granted May 9, 2017). <https://patents.google.com/patent/US9645101B2>
- A-23.** E. Gonzalez, **L.B. Kish**, R. Balog, "Encryption Key Distribution System and Method", U.S. Patent # US9270448B2 (granted 2/2016), <https://patents.google.com/patent/US9270448B2>
- A-22.** H. Wen, **L.B. Kish**, G. Schmera, "High-dimensional Noise-based logical controller", TAMU-Navy patent disclosure, TAMUS-3660, (February 2012).
- A-21.** **L.B. Kish**, J.O. Jensen, G. Schmera, C. Kwan, M. King, "Utilization of shot noise to enhance mass spectrometry", Signal Processing Inc. patent disclosure, July 23, 2009.
- A-20.** **L.B. Kish**, J.O. Jensen, G. Schmera, C. Kwan, M. King, "Utilization of diffusion noise to enhance ion mobility analysis", Signal Processing Inc. patent disclosure, July 23, 2009.
- A-19.** H.C. Chang, **L.B. Kish**, "Vertical-compression and vertical-vibration methods for vibration-induced conductance fluctuation study of soils (VC-VICOF and VV-VICOF)". TAMU, March 19, 2008.
- A-18.** Ch. Kwan, **L.B. Kish**, G. Schmera, "High Performance Chemical Agent Classification Framework", Signal processing cp. - TAMU - SPAWAR patent disclosure, May 1, 2007.
- A-17.** **L.B. Kish**, "Methods of Using Existing Wire Lines (powerlines, phonelines, internet lines, etc.) for Totally Secure Classical Communication Utilizing Kirchoff's Law and Johnson-like Noise (KLJN), TAMU patent disclosure", October 2, 2006.
- A-16.** **L.B. Kish**, C.L.S. Morgan, A. Kishne, "Vibration-induced conductance fluctuation (VICOF) testing of soils", TAMU patent disclosure, October, 2005.
- A-15.** **L.B. Kish**, "Totally Secure Classical Communication Utilizing Johnson (-like) Noise and Kirchoff's Law", TAMU patent disclosure, September 15, 2005.
- A-14.** **L.B. Kish**, Stealth Communication. Zero-Signal-Power Communication: Zero-Power Classical

- Communication, Zero-Quantum Quantum Communication and Environmental-Noise Communication, TAMU patent disclosure, August 18, 2005.
- A-13.** J. Bergou and **L.B. Kish**, A New Quantum Communicator with Enhanced Security, no Detection Noise, no Entanglement and no Classical Channel, CUNY-TAMU patent disclosure, July 5, 2005.
- A-12.** J.R. Biard and **L.B. Kish**, Enhancing the sensitivity of the SEPTIC bacterium detection method by concentrating the phage-infected bacteria via dc electrical current, TAMU patent disclosure, May 18, 2005.
- A-11.** **L.B. Kish**, M. Cheng, R. Young, M. King, S. Bezrukov, "Sensing Phage-Triggered Ion Cascade (SEPTIC)", November 24, 2004. US Patent # US7229754B2. <https://patents.google.com/patent/US7229754>
- A-10.** **L.B. Kish**, P.M. Ajayan, Magnetic Flash Memory with Carbon Nanotubes, TAMU-RPI patent disclosure, September 2004.
- A-9.** J. Smulko, **L.B. Kish**, G. Schmera, "System and Method for Gas Recognition by Analysis of Bispectrum Function", US Patent # US7680607B1, <https://patents.google.com/patent/US7680607B1/en?q=US7680607B1>
- A-8.** G. Schmera, **L.B. Kish**, "System and Method of Molecule Counting Using Fluctuation Enhanced Sensors", US Patent # US7524460B1 (April 28, 2009). <https://patents.google.com/patent/US7524460B1>
- A-7.** **L.B. Kish**, S. Sethuraman, Non-Breakable Data Encryption with Classical Information, TAMU patent disclosure, May 2004.
- A-6.** S. Bezrukov, M. Cheng, M.D. King, **L.B. Kish**, R.Y. Young, "MOSFET-Based Biochip for Detection of Phage Infection of Bacteria, NIH and TEES-TAMU patent disclosure, December 2003.
- A-5.** G. Schmera and **L.B. Kish**, "System and method of fluctuation enhanced gas-sensing using saw devices", US Patent, US Patent US7286942B1 (May 2003). <https://patents.google.com/patent/US7286942B1>
- A-4.** **L.B. Kish**, "Quantum Computing by Analog Electronic Circuits", **TEES patent disclosure**, TEES 1921, (July 2002)
- A-3.** **L.B. Kish**, C.G. Granqvist and R. Vajtai (1999), "Sampling-and-Hold Chemical Sensing by Noise Measurements for Electronic Nose Applications", **Swedish patent** # SE 9904209-5 (now, public) <http://was.prv.se/spd/pdf/RdizounvzhfWS3oljenFIQ/SE515249.C2.pdf>
- A-2.** **L.B. Kish**, C.G. Granqvist, J. Söderlund (1998), "Particle size determination", **Swedish patent**, # SE 9803320-2; Publ. No.: SE 513194 (now, public). <http://was.prv.se/spd/pdf/FngdBYIMdpXWS3oljenFIQ/SE513194.C2.pdf>
- A-1.** **L.B. Kish**, C.G. Granqvist, J. Söderlund, "Detection of chemicals based on resistance fluctuation-spectroscopy", **Swedish patent**, # SE 9803019-0; Publ. No.: 513148 (now, public) <http://was.prv.se/spd/pdf/8V-xToJGAh7WS3oljenFIQ/SE513148.C2.pdf>

B. Monograph; edited books; edited journal issues; and proceedings (18 items)

- B-18.** P.V.E. McClintock, L.B. Kish (eds). "The Random and Fluctuating World", accepted for publication (2021), in press.
- B-17.** D.K. Ferry, **L.B. Kish**, H. Wen (eds.), "Special Issue "(Quantum) Physical Informatics"", *Applied Sciences* (2019) https://www.mdpi.com/journal/applsci/special_issues/physical_informatics
- B-16.** **L.B. Kish (ed.)**, "Special Issue "Novel Sensors Based on Metal Oxide Films and Structures"", *Sensors* **18** (2018) http://www.mdpi.com/journal/sensors/special_issues/Novel_Structures
- B-15.** **L.B. Kish**, "The Kish Cypher. The story of KLJN for unconditional security". (2017), World Scientific. ISBN: 978-981-4449-45-8 (**hardcover**); and ISBN: 978-981-4449-47-2 (**ebook**). <https://sites.google.com/site/kishcypher/>
- B-14.** H. Wen, D.K. Ferry, **L.B. Kish**, Proceedings of the International Workshop on Hot Topics in Physical Information (HoTPI-2013), Hunan University, Changsha, China, 10–13 November 2013, *International Journal of Modern Physics: Conference Series* **33** (2014) <http://www.worldscientific.com/toc/ijmpcs/33>
- B-13.** S.M. Bezrukov, L.K.J. Vandamme, **L.B. Kish**, (eds.), "Special issue on 1/f noise", *Fluct. Noise Lett.* **10** (2011) December.

- B-12.** C.G. Granqvist, **L.B. Kish** (eds.), "Sensing of Organic Pollution in Soil, Air, Water and Food", *Sensors* (special issue ISSN 1424-8220) 2011; http://www.mdpi.com/journal/sensors/special_issues/sopsawf/ .
- B-11.** **L.B. Kish**, G. Schmera (eds.), "Metal-oxide Based Nanosensors", *Sensors* (special issue, ISSN 1424-8220, open access journal), February 28, 2010; http://www.mdpi.com/journal/sensors/special_issues/metal_oxide_based_nanosensors/
- B-10.** **L.B. Kish**, K. Lindenberg and Z. Gingl (eds.), "Noise in Complex Systems and Stochastic Dynamics", Proceedings of SPIE International Conference on Noise in Complex Systems and Stochastic Dynamics, Austin, Texas, May 2005, **SPIE - The International Society of Optical Engineers**, SPIE Proceedings Series.
- B-9.** C.G. Granqvist, **L.B. Kish**, W.H Marlow, (eds.), "Gas Phase Nanoparticle Synthesis", Kluwers Academic (2004)
- B-8.** J. Smulko, Y. Blanter, M. Dykman and **L.B. Kish** (eds.), "Noise and Information in Nanoelectronics, Sensors and Standards", Proceedings of SPIE International Conference on Noise and Information in Nanoelectronics, Sensors and Standards, Canary Islands, May 2004, **SPIE - The International Society of Optical Engineers**, SPIE Proceedings Series vol. 5472.
- B-7.** **L.B. Kish**, F. Green, G. Iannaccone, J.R. Vig (eds.), "Noise and Information in nanoelectronics, sensors and Standards", Proceedings of SPIE International Conference on Noise and Information in nanoelectronics, sensors and Standards, Santa Fe, June 2003, **SPIE - The International Society of Optical Engineers**, SPIE Proceedings Series vol. 5115.
- B-6.** V. Varadan and **L.B. Kish** (eds.), "Smart Electronics, MEMS, BioMEMS, and Nanotechnology", Proceedings of SPIE International Conference on Smart Electronics, MEMS, BioMEMS, and Nanotechnology, San Diego, March 2003, **SPIE - The International Society of Optical Engineers**, SPIE Proceedings Series vol. 5055.
- B-5.** **L.B. Kish** (ed.), "Special Issue on BIOMEMS and Smart Nanostructures", Smart Materials and Structures, Volume 11, Number 5, October 2002, **Institute of Physics Publishing**, Oxford.
- B-4.** **L.B. Kish** (ed.), "BioMEMs and Smart Nanostructures", Proceedings of the SPIE International Conference on BioMEMs and Smart Nanostructures, Adelaide, Australia, 17-19 December 2001, **SPIE - The International Society of Optical Engineers**, SPIE Proceedings Series 4590.
- B-3.** D. Abbott, **L.B. Kish** (eds.), "Unsolved Problems of Noise and Fluctuations", Proceeding of the 2nd international conference on Unsolved Problems of Noise (UPoN'99), Adelaide, Australia, 1999, **American Institute of Physics**, Melville, NY (2000).
- B-2.** Ch. Doering, **L.B. Kish**, M. Shlesinger (eds.), "Unsolved Problems of Noise", Proceeding of the 1st international conference on Unsolved Problems of Noise (UPoN'96), Szeged, Hungary, 1996, **World Scientific**, Singapore (1997).
- B-1.** A. Bulsara, S. Chillemi, **L.B. Kish**, P.V.E. McClintock, R. Mannella, F. Marchesoni, K. Nicolis, K. Wiesenfeld (eds.), "Fluctuations in Physics and Biology: Stochastic Resonance, Signal Processing and Related Phenomena" Proceeding of the international workshop held at Elba Island, Italy, June 1994, *Nuovo Cimento D* 17 (1995).

C. Peer reviewed journal articles (232 articles)

C⁺. Invited review papers in peer reviewed journals (6 articles)

- C⁺-6.** **L.B. Kish**, F. Peper, Information Networks Secured by the Laws of Physics, Invited paper, *IEICE Transactions on the Fundamentals of Communications, Electronics, Information & Systems*, Vol. **E95-B**, No.05 (May 2012) pp. 1501-1507.
- C⁺-5.** **L.B. Kish**, S.P. Khatri, S.M. Bezrukov, F. Peper, Z. Gingl, T. Horvath, "Noise-based deterministic logic and computing: a brief survey", *International Journal of Unconventional Computing* 7 (2011 February) 101-113.

- C⁺-4. **L.B. Kish**, "Absolutely Secure Communications by Johnson-like Noise and Kirchhoff's Laws", *Journal of the Society of Instrument and Control Engineers* (SICE, Japan) **49** (2010) 212-216.
- C⁺-3. **L.B. Kiss**, P. Svedlindh, "Noise in high T_c superconductors", *IEEE Trans. on Electron Devices* **41** (1994) 2112
- C⁺-2. **L.B. Kiss** and P. Svedlindh, M. Bjornander, P. Nordblad, F. Masszi and J. Magnusson, "Noise in high T_c superconductors", *Journal on Communications* **46** (1995) 20.
- C⁺-1. **L.B. Kiss**, "On fluctuations with a 1/f spectrum and the non-existence of the quantum 1/f noise effect", *Reviews of Solid State Science* **2** (1988) 659.

C. Regular papers in peer reviewed journals (229 articles)

- C-229. C. Chamon, S. Ferdous, **L.B. Kish**, "Statistical Random Number Generator Attack against the Kirchhoff-Law-Johnson-Noise Secure Key Exchange Protocol", *Fluct. Noise Lett.* accepted for publication (2021), in press.
- C-228. W. Daugherty, **L.B. Kish**, "More on the Reference-Grounding-Based Search in Noise-Based Logic", *Fluct. Noise Lett.* accepted for publication (2021), in press.
- C-227. C. Chamon, **L.B. Kish**, Nonlinearity Attack Against the Kirchhoff–Law–Johnson-Noise (KLJN) Secure Key Exchange Protocol, *Fluct. Noise Lett.* **20** (2022) 2250020; <https://doi.org/10.1142/S0219477522500201>
- C-226. C. Chamon, **L.B. Kish**, "Perspective - On the thermodynamics of perfect unconditional security", *Appl. Phys. Lett.* **119**, (2021) 010501; <https://doi.org/10.1063/5.0057764>
- C-225. M. Melhem, C. Chamon, S. Ferdous, **L.B. Kish**, "AC loop current attacks against the KLJN secure key exchange scheme", *Fluct. Noise Lett.* **20** (2021) 2150050, <https://doi.org/10.1142/S0219477521500504> .
- C-224. C. Chamon, S. Ferdous, **L.B. Kish**, "Deterministic Random Number Generator Attack against the Kirchhoff-Law-Johnson-Noise Secure Key Exchange Protocol", *Fluct. Noise Lett.* **20** (2021) 2150046; <https://doi.org/10.1142/S0219477521500462>
- C-223. S. Ferdous, C. Chamon, **L.B. Kish**, "Comments on the "Generalized" KLJN Key Exchanger with Arbitrary Resistors: Power, Impedance, Security", *Fluct. Noise Lett.* **20** (2021) 2130002; open access: <https://doi.org/10.1142/S0219477521300020>
- C-222. J. Song, **L.B. Kish**, "On the Theory and Design of Cold Resistors", *Fluct. Noise Lett.* **20** (2021) 2150001.
- C-221. M. Melhem, **L.B. Kish**, "Man in the middle and current injection attacks against the KLJN key exchanger compromised by DC sources", *Fluct. Noise Lett.* **20** (2021) 2150011.
- C-220. G. Scandurra, J. Smulko, **L.B. Kish**, "Fluctuation-Enhanced Sensing", *Journal of Sensors* **2020** (2020) 6108347.
- C-219. **L. B. Kish**, C. Singh, T. Erdelyi, "An Information Theoretic Approach to Originality and Bias in Science", *Fluct. Noise Lett.*, **19** (2020) 2050034; open access: <https://doi.org/10.1142/S0219477520500340>
- C-218. X. Yu, **L.B. Kish**, J.L. Seguin, M.D. King, "Ternary Fingerprints with Reference Odor for Fluctuation-Enhanced Sensing", *Biosensors* **10** (2020) 93; open access: <https://doi.org/10.3390/bios10080093>
- C-217. G. Scandurra, J. Smulko, **L.B. Kish**, "Fluctuation-Enhanced Sensing (FES): A Promising Sensing Technique", *Appl. Sci.* **10** (2020) 5818; open access: <https://www.mdpi.com/2076-3417/10/17/5818>
- C-216. M. Trawka, J. Smulko, L. Hasse, R. Ionescu, F.E. Annanouch, E. Llobet, C.G. Granqvist, **L.B. Kish**, "Fluctuation enhanced gas sensing using UV irradiated Au-nanoparticle-decorated WO₃-nanowire films", *Internat. J. Smart Sensing and Intelligent Systems.* **7** (2020 February 15) 1-5; doi: 10.21307/ijssis-2019-030
- C-215. M. Melhem, **L.B. Kish**, "Generalized DC loop current attack against the KLJN secure key exchange scheme", *Metrology and Measurement Systems*, **26** (2019) 607-616; open access: <http://journals.pan.pl/dlibra/publication/130571/edition/114024/content>
- C-214. **L.B. Kish**, W.C. Daugherty, "Entanglement, and Unsorted Database Search in Noise-Based Logic", *Applied Sciences* **9** (2019) 3029; open access: <https://www.mdpi.com/2076-3417/9/15/3029/htm>
- C-213. M. Melhem, **L.B. Kish**, "Static-loop-current attack against the KLJN secure key exchange system",

- Applied Sciences* **9** (2019) 666; open access: <https://www.mdpi.com/2076-3417/9/4/666> .
- C-212. **L.B. Kish**, W. Daugherty, "Noise-based logic gates by operations on the reference system", *Fluct. Noise Lett.* **17** (2018) 1850033.
- C-211. J. Song, **L.B. Kish**, "Does a standalone, "cold" (low-thermal-noise), linear resistor exist without cooling?", accepted for publication in *Fluct. Noise Lett.* **17** (2018) 1850030.
- C-210. **L.B. Kish**, D.K. Ferry, "Information entropy and thermal entropy: apples and oranges", *J. Comp. Electr.* **17** (March 2018) 43–50; <https://arxiv.org/abs/1706.01459>
- C-209. K.M. Sundqvist, D.K. Ferry, **L.B. Kish**, "Second Law based definition of passivity/activity of devices", *Physics Letters A* **381** (2017) 3364–3368; <https://arxiv.org/abs/1705.08750>
- C-208. K.M. Sundqvist, **L.B. Kish**, "Memristor equations: incomplete physics and undefined passivity/activity", *Fluct. Noise Lett.* **16**, (2017) 1771001; <https://arxiv.org/abs/1703.09064>
- C-207. D. Grigoriev, **L.B. Kish**, V. Shpilrain, "Yao's millionaires' problem and public-key encryption without computational assumptions", *Int. J. Foundations Comp. Sci.* **28** (2017), 379-389.
- C-206. B. Zhang, **L.B. Kish**, C.G. Granqvist, "Drawing from hats by noise-based logic", *International Journal of Parallel, Emergent and Distributed Systems* **32** (2017), 244-251; <http://dx.doi.org/10.1080/17445760.2016.1140168> ; <http://arxiv.org/abs/1511.03552>.
- C-205. **L.B. Kish**, K. Entesari, C.G. Granqvist, C. Kwan, "Unconditionally secure credit/debit card chip scheme and physical unclonable function", *Fluct. Noise Lett.* **16** (2017) 1750002; <http://arxiv.org/abs/1605.02355>
- C-204. M. Trawka, J. Smulko, L. Hasse, C.G. Granqvist, R. Ionescu, E. Llobet, F. Annanouch, **L.B. Kish**, "UV-Light Induced Fluctuation Enhanced Sensing by WO₃ - based Gas Sensors; *IEEE Sensors* **16** (2016) 5152-5159.
- C-203. J. Lee, F. Peper, S.D. Cotofana, M. Naruse, M. Ohtsu, T. Kawazoe, Y. Takahashi, T. Shimokawa, **L.B. Kish**, T. Kubota, "Brownian circuits: Design", *International Journal of Unconventional Computing* **12** (2016) 341–362.
- C-202. **L.B. Kish**, G.A. Niklasson, C.G. Granqvist, "Zero-point term and quantum effects in the Johnson noise of resistors: A critical appraisal", *J. Stat. Mech.* (2016) 054006. doi:10.1088/1742-5468/2016/05/054006 . <http://arxiv.org/abs/1504.08229> .
- C-201. **L.B. Kish**, "Comments on "Sub-k_BT Micro-Electromechanical Irreversible Logic Gate" ", *Fluct. Noise Lett.* **15** (2016) 1620001. <https://arxiv.org/abs/1606.09493>
- C-200. **L.B. Kish**, C.G. Granqvist, "Comments on "A New Transient Attack on the Kish Key Distribution System"", *Metrology and Measurement Systems* **23** (2016), No. 3, pp. 321–331. <https://oaktrust.library.tamu.edu/bitstream/handle/1969.1/179899/document-1.pdf?sequence=1&isAllowed=y>
- C-199. **L.B. Kish**, G.A. Niklasson, C.G. Granqvist, "Zero thermal noise in resistors at zero temperature", *Fluct. Noise Lett.*, **15** (2016) 1640001. Online: http://www.researchgate.net/publication/303959024_Zero_Thermal_Noise_in_Resistors_at_Zero_Temperature
- C-198. H.P. Chen, M. Mohammad, **L.B. Kish**, "Current Injection Attack against the KLJN Secure Key Exchange", *Metrology and Measurement Systems* **23** (2016) pp. 173–181. Open access: <https://www.degruyter.com/view/j/mms.2016.23.issue-2/mms-2016-0025/mms-2016-0025.xml>.
- C-197. E. Gonzalez, **L.B. Kish**, "Key exchange trust evaluation in peer-to-peer sensor networks with unconditional secure key exchange", *Fluct. Noise Lett.* **15** (2016) 1650008. <http://arxiv.org/abs/1511.06795>
- C-196. **L.B. Kish**, C.G. Granqvist, "Random-resistor–random-temperature Kirchhoff-law-Johnson-noise (RRRT-KLJN) key exchange", *Metrology and Measurement Systems* **23** (2016) pp. 3-11. open access: DOI: [10.1515/mms-2016-0007](https://doi.org/10.1515/mms-2016-0007) , <http://arxiv.org/abs/1509.08150>, <http://vixra.org/abs/1509.0259>
- C-195. **L.B. Kish**, C.G. Granqvist, S.P. Khatri, F. Peper, "Response to "Comment on 'Zero and negative energy dissipation at information-theoretic erasure'", *J. Computational Electronics* **15** (2015) 343-346. <http://arxiv.org/abs/1602.02638> .
- C-194. H.P. Chen, E. Gonzalez, Y. Saez, **L.B. Kish**, "Cable Capacitance Attack against the KLJN Secure Key Exchange", *Information* **6** (2015) 719-732. open access, <http://www.mdpi.com/2078-2489/6/4/719/html> , DOI:10.3390/info6040719 , <http://arxiv.org/abs/1508.02984> , <http://vixra.org/abs/1508.0079> .
- C-193. **L.B. Kish**, C.G. Granqvist, S.P. Khatri, F. Pepper, "Zero and negative energy dissipation at information-

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- C-192. L. Lentka, J.M. Smulko, R. Ionescu, C.G. Granqvist, **L.B. Kish**, "Determination of gas mixture components using fluctuation enhanced sensing and the LS-SVM regression algorithm", *Metrology and Measurement Systems* **22** (2015) 341–35.
- C-191. E. Gonzalez, R. Balog, **L.B. Kish**, "Resource Requirements and Speed versus Geometry of Unconditionally Secure Physical Key Exchanges", *Entropy* **7** (2015) 2010-2024; doi:10.3390/e17042010; open access. <http://www.mdpi.com/1099-4300/17/4/2010>.
- C-190. J. Smulko, M. Trawka, C.G. Granqvist, R. Ionescu, F.E. Annanouch, L. Llobet, **L.B. Kish**, "New approaches for improving selectivity and sensitivity of resistive gas sensors: a review", *Sensor Review* **35** (2015) 340-347.
- C-189. E. Kish, C.G. Granqvist, A. Der, **L.B. Kish**, "Lognormal distribution of firing time and rate from a single neuron?", *Cognitive Neurodynamics* **9** (2015) 459-462; DOI: 10.1007/s11571-015-9332-6 . <http://arxiv.org/abs/1412.1778> ; <http://vixra.org/abs/1411.0115>
- C-188. Z. Topalian, S.Y. Li, G. Niklasson, C.G. Granqvist, **L.B. Kish**, "Resistance noise at the metal-insulator transition in thermochromic VO₂ films", *J. Applied Phys.* **117**, (2015) 025303. <http://arxiv.org/abs/1411.2026> ; <http://vixra.org/abs/1411.0061>
- C-187. **L.B. Kish**, Z. Gingl, R. Mingesz, G. Vadai, J. Smulko, C.G. Granqvist, " Analysis of an attenuator artifact in an experimental attack by Gunn-Allison-Abbott against the Kirchhoff-law-Johnson-noise (KLJN) secure key exchange system", *Fluct. Noise Lett.* **14** (2015) 1550011. DOI: 10.1142/S021947751550011X <http://arxiv.org/abs/1411.0818> ; <http://vixra.org/abs/1410.0122>
- C-186. X. Cao, Y. Saez, G. Pesti, **L.B. Kish**, "On KLJN-based secure key distribution in vehicular communication networks", *Fluct. Noise Lett.* **14**, (2015) 1550008. <http://arxiv.org/abs/1409.5911> ; <http://vixra.org/abs/1408.0145>
- C-185. **L.B. Kish**, "Enhanced usage of keys obtained by physical, unconditionally secure distributions", *Fluct. Noise Lett.* **14** (2015) 1550007. <http://arxiv.org/abs/1408.5800>
- C-184. **L.B. Kish**, C.G. Granqvist, "Elimination of a Second-Law-attack, and all cable-resistance-based attacks, in the Kirchhoff-law–Johnson-noise (KLJN) secure key exchange system", *Entropy* **16** (2014) 5223-5231. open access, <http://www.mdpi.com/1099-4300/16/10/5223> ; <http://arxiv.org/abs/1406.5179> ; <http://vixra.org/abs/1406.0124>
- C-183. H.P. Chen, **L.B. Kish**, C.G. Granqvist, G. Schmera, "On the "cracking" scheme in the paper "A directional coupler attack against the Kish key distribution system" by Gunn, Allison and Abbott". *Metrology and Measurement Systems* **21** (2014), 389–400. open access. <http://www.degruyter.com/view/j/mms.2014.21.issue-3/issue-files/mms.2014.21.issue-3.xml> ; <http://arxiv.org/abs/1405.2034>; <http://vixra.org/abs/1404.0081>
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- D-60. R. Mingesz, **L.B. Kish**, Z. Gingl, C.G. Granqvist, H. Wen, F. Peper, T. Eubanks, G. Schmera, "Information theoretic security by the laws of classical physics", Plenary talk at the 5th IEEE Workshop on Soft Computing Applications, (SOFA 2012) August 2012, Szeged, Hungary. In: Balas VE et al. (Eds.), *Soft Computing Applications*, AISC 195, pp. 11–25 (Springer). <http://arxiv.org/abs/1206.2534>
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- D-59. **Kish LB**, Granqvist CG (2011) Energy requirement of control: Comments on Maxwell's demon and Szilard's engine. In: Alfinito E, Leuzzi M, Millithaler J-F (editors), *All the Colors of Noise: Essays in*

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