Любченко Никита КС-30

Англоязычный поиск

Ключевые слова:

Safety glass  Articles About 3,360,000 results (0.06 sec)

Protective film  Articles About 1,910,000 results (0.09 sec)

Protective case  Articles About 3,590,000 results (0.08 sec)

Статьи:

The Curious Case of the Curious Case: Detecting Touchscreen Events Using a Smartphone Protective Case.

Abstract:
Security-conscious users are very careful with software they allow their phone to run. They are much less careful with the choices they make regarding accessories such as headphones or chargers and only few, if any, care about cyber security threats coming from the phone's protective case. We show how a malicious smartphone protective case can be used to detect and monitor the victim's interaction with the phone's touchscreen, opening the door to keylogger-like attacks, threatening the user's security and privacy. This feat is achieved by implementing a hidden capacitive sensing mechanism inside the case. Our attack is both sensitive enough to track the user's finger location across the screen, and simple and cheap enough to be mass-produced and deployed en masse. We discuss the theoretical principles behind this attack, present a preliminary proof-of-concept, and discuss potential countermeasures and mitigations.

Published in: 2017 IEEE European Symposium on Security and Privacy Workshops (EuroS&PW)

Date of Conference: 26-28 April 2017

INSPEC Accession Number: 17012190

Date Added to IEEE *Xplore*: 03 July 2017

DOI: 10.1109/EuroSPW.2017.58

ISBN Information:

Publisher: IEEE

Conference Location: Paris, France

авторы



Rami Puzis

ПОДПИСАТЬСЯ

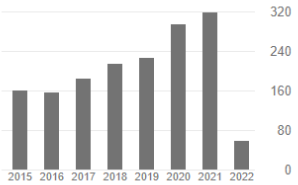
Software and Information Systems Engineering Department, Ben-Gurion University of the Negev
Подтвержден адрес электронной почты в домене bgu.ac.il - Главная страница
Complex Networks Machine Learning Heuristic Search Security

СОЗДАТЬ СВОЙ ПРОФИЛЬ

НАЗВАНИЕ	ПРОЦИТИРОВАНО	ГОД
Link prediction in social networks using computationally efficient topological features M Fire, L Tenenboim, O Lesser, R Puzis, L Rokach, Y Elovici 2011 IEEE third international conference on privacy, security, risk and ...	220	2011
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Статистика цитирования	1999	1300
h-индекс	24	20
i10-индекс	45	42



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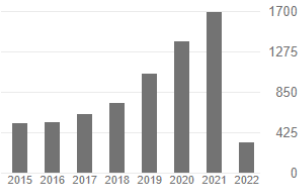
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Computer and network sec… machine learning

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Статистика цитирования	8375	5831
h-индекс	41	36
i10-индекс	94	82



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Yossi Oren (יוסי אורן)

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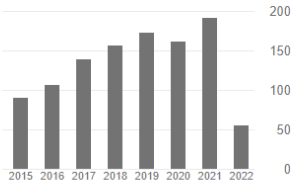
Senior Lecturer (בעAssistant Professor) at Ben Gurion University's Cyber Security Research Center
Подтвержден адрес электронной почты в домене bgu.ac.il - Главная страница
Cyber Security Implementation Security Side-Channel Attacks RFID

СОЗДАТЬ СВОЙ ПРОФИЛЬ

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ANVIL: Software-based protection against next-generation rowhammer attacks ZB Aweke, SF Yitbarek, R Qiao, R Das, M Hicks, Y Oren, T Austin ACM SIGPLAN Notices 51 (4), 743-755	147	2016
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Процитировано ПРОСМОТРЕТЬ ВСЕ

	Все	Начиная с 2017 г.
Статистика цитирования	1458	878
h-индекс	20	15
i10-индекс	30	19



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Журнал

Proceedings - 2nd IEEE European Symposium on Security and Privacy Workshops, EuroS and PW 2017

COUNTRY	SUBJECT AREA AND CATEGORY	PUBLISHER	H-INDEX
United States Universities and research institutions in United States	Computer Science Computer Networks and Communications Engineering Safety, Risk, Reliability and Quality		9

PUBLICATION TYPE	ISSN	COVERAGE
Conferences and Proceedings	-	2017

H-index: 9

Design and Control of Small Mobile Phone Automatic Film Pasting Machine

Abstract:
Aiming at the following problems, low efficiency of manual film, easy to produce bubbles and irregular, the small semi-automatic pasting machine is inconvenient, the large automatic pasting machine is expensive, a new automatic film pasting machine for mobile phone is put forward. The automatic film pasting machine is mainly composed of clamping, driving, cleaning, positioning and foil, it can remove implementation the functions of mobile phone screen cleaning, remove protective layer, automatically align the mobile phone screen and film. The power system is driven by a stepping motor, and the automatic control of the stepping motor is realized by AT89C51 single chip. The driving circuit of the stepping motor is composed of ULN2003. The display screen selects 8*8 LED display screen, and gives the display control circuit based on 51 single chip microcomputer. The result shows that the automatic film pasting machine achieves the preset functional requirements, the structure is simple, and the film holding efficiency is improved.

Published in: 2018 IEEE International Conference of Safety Produce Informatization (IICSPI)

Date of Conference: 10-12 Dec. 2018

INSPEC Accession Number: 18602080

Date Added to IEEE *Xplore*: 15 April 2019

DOI: 10.1109/IICSPI.2018.8690494

ISBN Information:

Publisher: IEEE

Conference Location: Chongqing, China

Авторы(в google academy нет информации про авторов):



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Publication Topics

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Proceedings of 2018 IEEE International Conference of Safety Produce Informatization, IICSPI 2018

COUNTRY	SUBJECT AREA AND CATEGORY	PUBLISHER	H-INDEX
United States Universities and research institutions in United States	Engineering Control and Systems Engineering Industrial and Manufacturing Engineering		4

PUBLICATION TYPE	ISSN	COVERAGE
Conferences and Proceedings	-	2019

H-index: 4

Micromachining of gorilla glass

Abstract:
For the first time, this paper presents micromachining of gorilla glass, which is a new tough and transparent substrate, but has not been used in MEMS yet. We have demonstrated that microstructures made of Gorilla glass have several advantages for MEMS applications, including flexibility and high fracture toughness. Wet etching with hydrofluoric acid (HF) was found more effective because it prevents creation of sharp corners. The process was optimized with an additive of hydrochloric acid (HCl) to reduce surface roughness, and the etching rate is approximately 12 μm/min. The microcantilevers made of Gorilla glass is capable to bend 12.26 degrees without breaking, which is very different from the conventional brittle glass (including Pyrex or Borosilicate).

Published in: 2017 19th International Conference on Solid-State Sensors, Actuators and Microsystems (TRANSDUCERS)

Date of Conference: 18-22 June 2017

INSPEC Accession Number: 17088807

Date Added to IEEE *Xplore*: 27 July 2017

DOI: 10.1109/TRANSDUCERS.2017.7994274

▸ **ISBN Information:**

Publisher: IEEE

Electronic ISSN: 2167-0021

Conference Location: Kaohsiung, Taiwan

Авторы:



Gui Chen

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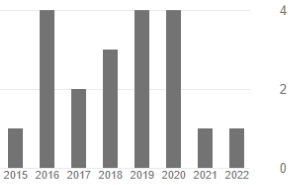
Sensor Nanotechnology RF Biomedical C++/ Objective-C/ Swift

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TITLE	CITED BY	YEAR
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Citations	20	15
h-index	2	2
i10-index	1	0



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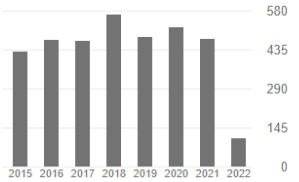
MEMS Sensors Biomedical Microdevices Neural Implants Battery Materials

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Citations	5375	2622
h-index	32	21
i10-index	62	42



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Журнал:

TRANSDUCERS 2017 - 19th International Conference on Solid-State Sensors, Actuators and Microsystems

COUNTRY	SUBJECT AREA AND CATEGORY	PUBLISHER	H-INDEX
United States Universities and research institutions in United States	Chemical Engineering Chemical Health and Safety Engineering Electrical and Electronic Engineering Physics and Astronomy Instrumentation		9

PUBLICATION TYPE	ISSN	COVERAGE
Conferences and Proceedings	-	2017

H-index: 9

Thermoluminescence and phototransferred thermoluminescence dosimetry on mobile phone protective touchscreen glass

J. R. Chandler[1,a], S. Sholom[2], S. W. S. McKeever[2], *and* H. L. Hall[1]

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PDF ABSTRACT FULL TEXT FIGURES SUPPLEMENTAL TOOLS SHARE METRICS

TOPICS

- Ultraviolet light
- Emission spectroscopy
- Dosimeters
- Matrix methods
- Thermoluminescence
- Optical absorption

ABSTRACT

Thermoluminescence and phototransferred thermoluminescence measurements of protective glass from smartphones are described. Samples of Gorilla Glass were examined from nine different manufacturers and 40 different phone models. Additionally, 12 glasses believed to be original equipment manufacturer replacements, as well as three glass samples from U.S. finishers, were also studied. Altogether, 99 different Gorilla Glass samples were examined. The radiation-induced thermoluminescence signal produced glow curve shapes specific to the Gorilla Glass generations and could be used to distinguish between them. A background thermoluminescence (and phototransferred thermoluminescence) signal was found in all unirradiated samples. Its intensity and shape were found to be dependent on the Gorilla Glass generation, phone manufacturer, and phone model. The background signal was demonstrated to be produced by ultraviolet light exposure; the shape of the background signal was able to be reproduced by the combined exposure to a broad-spectrum solar simulator and a 302 nm ultraviolet light source. The background signal intensity was found to vary with the location from which it was taken on the glass. It was also found to be dependent on the depth within the Gorilla Glass due to absorption of the ultraviolet light as it traversed the medium. Removal of the glasses' surface layers was found to be an inadequate method for removing the background signal. In some samples, the background signal intensity was large enough to significantly contribute to the total thermoluminescence (and phototransferred thermoluminescence) signal; therefore, a matrix deconvolution method was introduced to separate the background signal and radiation-induced signal. This method was found to enable dose reconstruction using the radiation-induced signal alone.

Авторы:



Joshua Chandler

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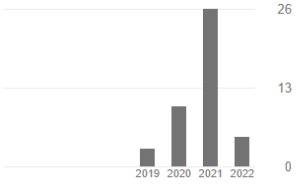
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TITLE	CITED BY	YEAR
Thermoluminescence and phototransferred thermoluminescence dosimetry on mobile phone protective touchscreen glass JR Chandler, S Sholom, SWS McKeever, HL Hall Journal of Applied Physics 126 (7), 074901	15	2019
A comparative study of EPR and TL signals in Gorilla® glass SWS McKeever, S Sholom, JR Chandler Radiation Protection Dosimetry 186 (1), 65-69	11	2019
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Optically stimulated luminescence dosimetry on mobile phone back protective glass JR Chandler, S Sholom, SWS McKeever, DT Seagraves, HL Hall Physics Open 7, 100072	3	2021
Investigation of Smartphone Protective Glasses for Use in Emergency Dosimetry JR Chandler		2021

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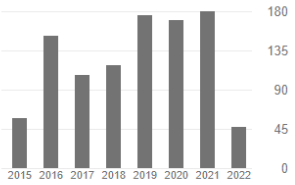
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Research Assistant Professor, Oklahoma State University
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retrospective and emergen… high dose dosimetry

TITLE	CITED BY	YEAR
The second international intercomparison on EPR tooth dosimetry A Wieser, K Mehta, S Amira, D Aragno, S Bercea, A Brik, A Bugai, ... Radiation measurements 32 (5-6), 549-557	125	2000
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Influence of crushing and additive irradiation procedures on EPR dosimetry of tooth enamel SV Sholom, EH Haskell, RB Hayes, VV Chumak, GH Kenner Radiation measurements 29 (1), 105-111	72	1998
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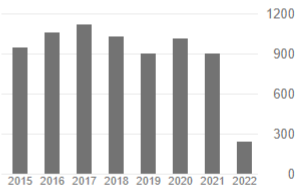
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Oklahoma State University
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OSL TL dosimetry

TITLE	CITED BY	YEAR
Thermoluminescence of solids SWS McKeever Cambridge University Press	2963	1988
Theory of thermoluminescence and related phenomena R Chen, SWS McKeever World Scientific	1717	1997
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Optically stimulated luminescence: fundamentals and applications EG Yukihara, SWS McKeever John Wiley & Sons	572	2011
Optically stimulated luminescence (OSL) dosimetry in medicine EG Yukihara, SWS McKeever Physics in Medicine & Biology 53 (20), R351	313	2008
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Citations	18659	5228
h-index	59	29
i10-index	179	87



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Журнал:

Journal of Applied Physics **126**, 074901 (2019)

Journal of Applied Physics

COUNTRY	SUBJECT AREA AND CATEGORY	PUBLISHER	H-INDEX
United States Universities and research institutions in United States	Physics and Astronomy Physics and Astronomy (miscellaneous)	American Institute of Physics	319

PUBLICATION TYPE	ISSN	COVERAGE	INFORMATION
Journals	00218979, 10897550	1931-2020	Homepage How to publish in this journal jap-edoffice@aip.org

H-index: 319

CNN-Based Surface Defect Detection of Smartphone Protective Screen

CNN-Based Surface Defect Detection of Smartphone Protective Screen

Hailang Chen[1]

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Journal of Physics: Conference Series, Volume 1616, 3rd International Symposium on Big Data and Applied Statistics 10-12 July 2020, Kunming, China

Citation Hailang Chen 2020 *J. Phys.: Conf. Ser.* **1616** 012101

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Abstract

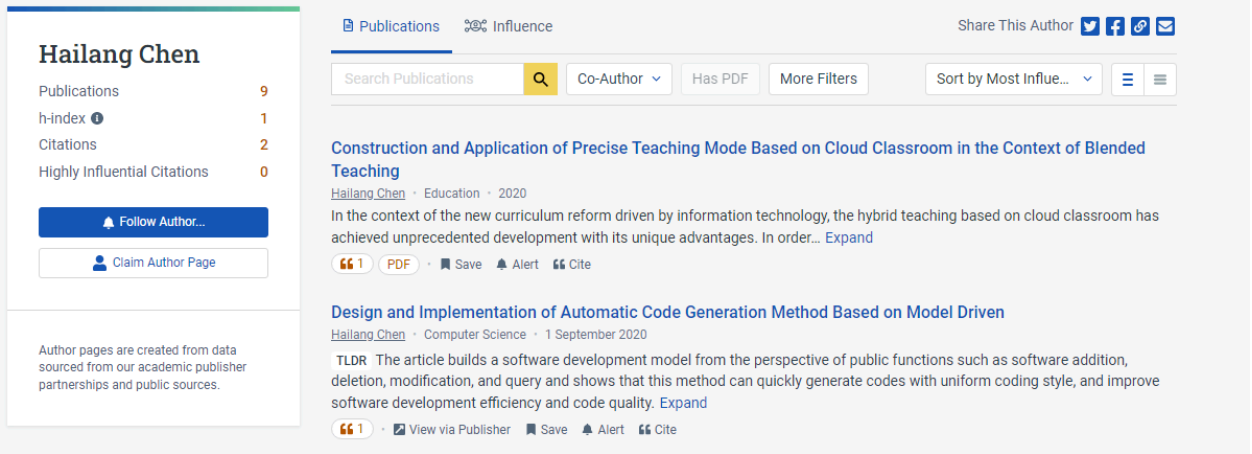
References

Abstract

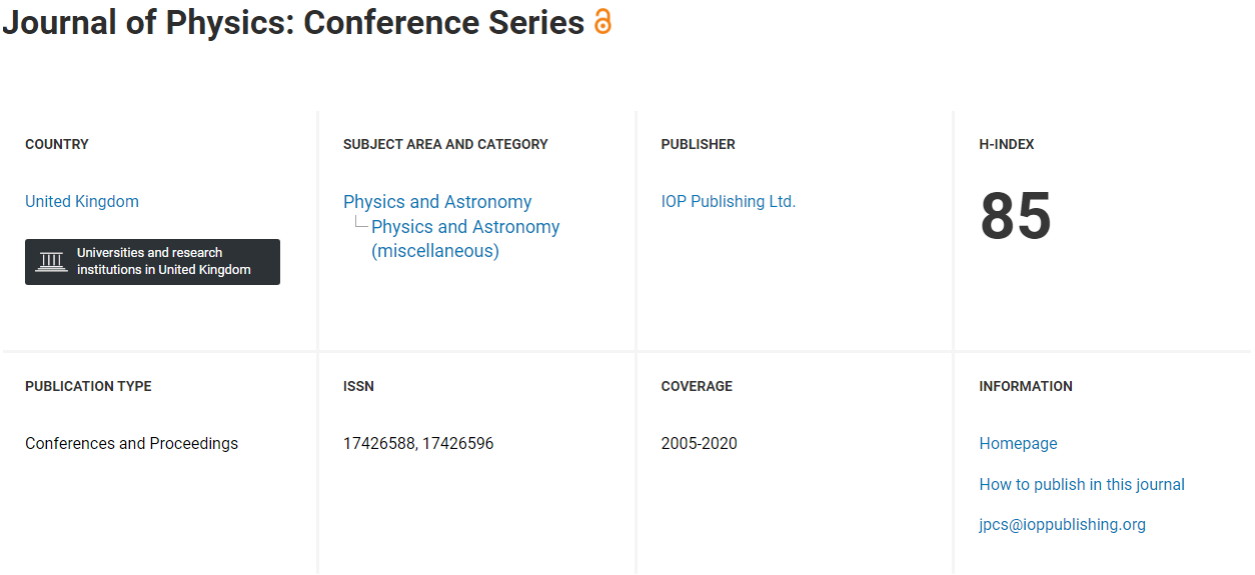
With the advancement of the intelligent era of Industry 4.0, in order to solve the problem of low-efficiency and high miss-detection rate using manual visual inspection for the detection of surface defects on smartphone protective screens, surface defects on smartphone protective screens based on convolutional neural networks are introduced as the detection method. This detection method exhibits excellent feature extraction capabilities and powerful target classification performance during the preprocessing, model design, model training, and detection of smartphone protective screens images. Experimental results show that the detection method can achieve accurate detection of defects such as punctures, bright spots, and scratches on the surface of the smartphone protective screens. The detection verification rate is as high as 98%, and the accuracy is high, which meets the actual needs of enterprises.

Back to top

Автор:



Журнал:



H-index: 85

Вывод: англоязычный поиск дал на порядок большее количество результатов по ключевым словам, но всего лишь малая их часть относиться к

выбранной теме, тем не менее их разнообразие сильно отличается от русскоязычных источников. Несмотря на то, что по моему мнению это достаточно актуальная тема, все же авторы большинства статей не пользуются популярностью.