

# Stephanie A Caswell Schuckers

## List of Publications by Year in descending order

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Version: 2024-02-01

129  
papers

3,496  
citations

257101

24  
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all docs

134  
docs citations

134  
times ranked

2273  
citing authors

#	ARTICLE	IF	CITATIONS
1	Shared Multi-Keyboard and Bilingual Datasets to Support Keystroke Dynamics Research. , 2022, , .		4
2	Face Recognition in Children: A Longitudinal Study. , 2022, , .		3
3	Securing Account Recovery Mechanism on Desktop Computers and Mobile Phones with Keystroke Dynamics. SN Computer Science, 2022, 3, .	2.3	4
4	Continuous Authentication based on Hand Micro-movement during Smartphone Form Filling by Seated Human Subjects. , 2021, , .		1
5	Utilizing Keystroke Dynamics as Additional Security Measure to Protect Account Recovery Mechanism. , 2021, , .		4
6	Iris Recognition Performance in Children: A Longitudinal Study. IEEE Transactions on Biometrics, Behavior, and Identity Science, 2021, 3, 138-151.	3.8	8
7	Group Leakage Overestimates Performance: A Case Study in Keystroke Dynamics. , 2021, , .		3
8	High Fidelity Fingerprint Generation: Quality, Uniqueness, And Privacy. , 2021, , .		15
9	Deep Slap Fingerprint Segmentation for Juveniles and Adults. , 2021, , .		1
10	Fast Free-Text Authentication via Instance-Based Keystroke Dynamics. IEEE Transactions on Biometrics, Behavior, and Identity Science, 2020, 2, 377-387.	3.8	39
11	Analysis of Dilation in Children and its Impact on Iris Recognition. , 2020, , .		1
12	Iris Liveness Detection Competition (LivDet-Iris) - The 2020 Edition. , 2020, , .		21
13	A novel distance-based algorithm for multi-user classification in keystroke dynamics. , 2020, , .		3
14	Enabling Secure and Privacy Preserving Identity Management via Smart Contract. , 2019, , .		21
15	Removing Personally Identifiable Information from Shared Dataset for Keystroke Authentication Research. , 2019, , .		2
16	Review of Iris Presentation Attack Detection Competitions. Advances in Computer Vision and Pattern Recognition, 2019, , 169-183.	0.9	11
17	Fast Continuous User Authentication Using Distance Metric Fusion of Free-Text Keystroke Data. , 2019, , .		15
18	Fingerprint Presentation Attack Detection utilizing Time-Series, Color Fingerprint Captures. , 2019, , .		8

#	ARTICLE	IF	CITATIONS
19	A Feasibility Study on Utilizing Toe Prints for Biometric Verification of Children. , 2019, , .		3
20	CNN based key frame extraction for face in video recognition. , 2018, , .		13
21	A longitudinal study of iris recognition in children. , 2018, , .		5
22	LivDet 2017 - Fingerprint Systems Liveness Detection Competition. , 2018, , .		6
23	Validation of Biometric Identification of Dairy Cows based on Udder NIR Images. , 2018, , .		0
24	IoT Edge Device Based Key Frame Extraction for Face in Video Recognition. , 2018, , .		12
25	Boosting Face in Video Recognition via CNN Based Key Frame Extraction. , 2018, , .		18
26	Antispoofing methods in hand-based biometrics. , 2018, , 399-413.		0
27	A practical evaluation of free-text keystroke dynamics. , 2017, , .		10
28	Detection of spoofed identities on smartphones via sociability metrics. , 2017, , .		4
29	Social Behaviometrics for Personalized Devices in the Internet of Things Era. IEEE Access, 2017, 5, 12199-12213.	2.6	62
30	LivDet-Iris 2015 - Iris Liveness Detection Competition 2015. , 2017, , .		33
31	Review of the Fingerprint Liveness Detection (LivDet) competition series: 2009 to 2015. Image and Vision Computing, 2017, 58, 110-128.	2.7	85
32	Shared dataset on natural human-computer interaction to support continuous authentication research. , 2017, , .		24
33	Benchmarking keystroke authentication algorithms. , 2017, , .		13
34	LivDet iris 2017 " Iris liveness detection competition 2017. , 2017, , .		62
35	Key-Frame Analysis for Face Related Video on GPU-Accelerated Embedded Platform. , 2016, , .		3
36	Mobile behaviometric framework for sociability assessment and identification of smartphone users. , 2016, , .		12

#	ARTICLE	IF	CITATIONS
37	A mobile platform for sociability-based continuous identification. , 2016, , .		3
38	Effects of text filtering on authentication performance of keystroke biometrics. , 2016, , .		9
39	Presentations and attacks, and spoofs, oh my. Image and Vision Computing, 2016, 55, 26-30.	2.7	20
40	Effects of brewing conditions on the antioxidant capacity of twenty-four commercial green tea varieties. Food Chemistry, 2016, 192, 380-387.	4.2	66
41	LivDet 2015 fingerprint liveness detection competition 2015. , 2015, , .		83
42	Analysis of Low Probability of Intercept Radar Signals Using the Reassignment Method. American Journal of Engineering and Applied Sciences, 2015, 8, 26-47.	0.3	1
43	Effect of data size on performance of free-text keystroke authentication. , 2015, , .		14
44	Towards secure cloud-centric Internet of Biometric Things. , 2015, , .		14
45	Amperometric Bioelectronic Tongue for glucose determination. Sensing and Bio-Sensing Research, 2015, 3, 31-37.	2.2	7
46	Iris matching algorithm on many-core platforms. , 2015, , .		5
47	Implementation and optimization of a biometric cryptosystem using iris recognition. Proceedings of SPIE, 2015, , .	0.8	1
48	Energy intake estimation from counts of chews and swallows. Appetite, 2015, 85, 14-21.	1.8	57
49	An Auto-tuning Assisted Power-Aware Study of Iris Matching Algorithm on Intel®'s SCC. Journal of Signal Processing Systems, 2015, 80, 261-276.	1.4	5
50	Hardware Accelerator Approach Towards Efficient Biometric Cryptosystems for Network Security. Journal of Computing and Information Technology, 2015, 23, 329.	0.2	1
51	A Novel Approach for the Characterization of FSK Low Probability of Intercept Radar Signals via Application of the Reassignment Method. , 2014, , .		0
52	Subregion mosaicking applied to nonideal iris recognition. , 2014, , .		5
53	Shared research dataset to support development of keystroke authentication. , 2014, , .		53
54	Gaze angle estimate and correction in iris recognition. , 2014, , .		5

#	ARTICLE	IF	CITATIONS
55	LivDet-iris 2013 - Iris Liveness Detection Competition 2013. , 2014, , .		42
56	Utilizing automatic quality selection scheme for multi-modal biometric fusion. , 2013, , .		1
57	Detection of Cardioseismographic Signals throughout the Body. , 2013, , .		4
58	Latencies of Cardiac-Linked Seismic Pulses in Head Accelerometer Measurements. , 2013, , .		1
59	A Power-Aware Study of Iris Matching Algorithms on Intel's SCC. , 2013, , .		2
60	Workload characteristics for iris matching algorithm: A case study. , 2013, , .		2
61	Texture Modeling for Synthetic Fingerprint Generation. , 2013, , .		22
62	LivDet 2011 &#x2014; Fingerprint liveness detection competition 2011. , 2012, , .		123
63	Electronic and Electromechanical Tester of physiological sensors. , 2012, , .		0
64	Impact of out-of-focus blur on face recognition performance based on modular transfer function. , 2012, , .		20
65	Automatic identification of the number of food items in a meal using clustering techniques based on the monitoring of swallowing and chewing. Biomedical Signal Processing and Control, 2012, 7, 474-480.	3.5	16
66	Automatic food intake detection based on swallowing sounds. Biomedical Signal Processing and Control, 2012, 7, 649-656.	3.5	56
67	A study on quality-adjusted impact of time lapse on iris recognition. , 2012, , .		15
68	Analysis of heart rate variability for predicting cardiorespiratory events in infants. Biomedical Signal Processing and Control, 2012, 7, 325-332.	3.5	6
69	Robust Color Texture Features Under Varying Illumination Conditions. IEEE Transactions on Systems, Man, and Cybernetics, 2012, 42, 58-68.	5.5	13
70	Impact of out-of-focus blur on iris recognition. , 2011, , .		6
71	Comparison of quality-based fusion of face and iris biometrics. , 2011, , .		11
72	Comparison of Texture Analysis Schemes Under Nonideal Conditions. IEEE Transactions on Image Processing, 2011, 20, 2260-2275.	6.0	49

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73	Transcriptome-wide gene expression in a rat model of attention deficit hyperactivity disorder symptoms: Rats developmentally exposed to polychlorinated biphenyls. American Journal of Medical Genetics Part B: Neuropsychiatric Genetics, 2011, 156, 898-912.	1.1	17
74	Increase the Security of Multibiometric Systems by Incorporating a Spoofing Detection Algorithm in the Fusion Mechanism. Lecture Notes in Computer Science, 2011, , 309-318.	1.0	21
75	Fast and efficient iris image enhancement using logarithmic image processing. , 2010, , .		4
76	Recent Advances in Biometric Systems: A Signal Processing Perspective. Eurasip Journal on Advances in Signal Processing, 2010, 2009, .	1.0	1
77	Detection of Food Intake from Swallowing Sequences by Supervised and Unsupervised Methods. Annals of Biomedical Engineering, 2010, 38, 2766-2774.	1.3	25
78	Automatic Detection of Swallowing Events by Acoustical Means for Applications of Monitoring of Ingestive Behavior. IEEE Transactions on Biomedical Engineering, 2010, 57, 626-633.	2.5	135
79	The Energetics of Obesity: A Review: Monitoring Energy Intake and Energy Expenditure in Humans. IEEE Engineering in Medicine and Biology Magazine, 2010, 29, 31-35.	1.1	20
80	Preliminary assessment of a model to predict mold contamination based on microbial volatile organic compound profiles. Science of the Total Environment, 2010, 408, 3648-3653.	3.9	13
81	A novel biorthogonal wavelet network system for off-angle iris recognition. Pattern Recognition, 2010, 43, 987-1007.	5.1	44
82	Spoofing protection for fingerprint scanner by fusing ridge signal and valley noise. Pattern Recognition, 2010, 43, 2845-2857.	5.1	55
83	Towards integrating level-3 Features with perspiration pattern for robust fingerprint recognition. , 2010, , .		12
84	One Time Biometric Transform to secure biometric templates. , 2010, , .		2
85	Combining Level-3 Features with Perspiration Pattern: Extended Database Results. , 2010, , .		1
86	The effect of environmental conditions and novel spoofing methods on fingerprint anti-spoofing algorithms. , 2010, , .		21
87	Multimodal fusion vulnerability to non-zero effort (spoof) imposters. , 2010, , .		50
88	Detection of periods of food intake using Support Vector Machines. , 2010, 2010, 1004-7.		20
89	Quality in face and iris research ensemble (Q-FIRE). , 2010, , .		29
90	Reply to "Comment on "Non-invasive monitoring of chewing and swallowing for objective quantification of ingestive behavior"™. Physiological Measurement, 2009, 30, L5-L7.	1.2	2

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91	Automatic Recognition of postures and activities in stroke patients. , 2009, 2009, 2200-3.		36
92	Exploring QT interval changes as a precursor to the onset of ventricular fibrillation/tachycardia. Journal of Electrocardiology, 2009, 42, 374-379.	0.4	3
93	Integrating a wavelet based perspiration liveness check with fingerprint recognition. Pattern Recognition, 2009, 42, 452-464.	5.1	87
94	Toward Objective Monitoring of Ingestive Behavior in Free-living Population. Obesity, 2009, 17, 1971-1975.	1.5	60
95	Iris quality assessment and bi-orthogonal wavelet based encoding for recognition. Pattern Recognition, 2009, 42, 1878-1894.	5.1	43
96	Detection and prediction of concentrations of neurotransmitters using voltammetry and pattern recognition. , 2009, 2009, 3493-6.		4
97	A Novel Region Based Liveness Detection Approach for Fingerprint Scanners. Lecture Notes in Computer Science, 2009, , 627-636.	1.0	17
98	First International Fingerprint Liveness Detection Competition" LivDet 2009. Lecture Notes in Computer Science, 2009, , 12-23.	1.0	96
99	Recognition of Swallowing Sounds Using Time-Frequency Decomposition and Limited Receptive Area Neural Classifier. , 2009, , 33-46.		6
100	Sleep Versus Wake Classification From Heart Rate Variability Using Computational Intelligence: Consideration of Rejection in Classification Models. IEEE Transactions on Biomedical Engineering, 2008, 55, 108-118.	2.5	56
101	New approach for liveness detection in fingerprint scanners based on valley noise analysis. Journal of Electronic Imaging, 2008, 17, 011009.	0.5	56
102	EEG indices of tonic pain-related activity in the somatosensory cortices. Clinical Neurophysiology, 2008, 119, 1201-1212.	0.7	90
103	Non-invasive monitoring of chewing and swallowing for objective quantification of ingestive behavior. Physiological Measurement, 2008, 29, 525-541.	1.2	141
104	Limited receptive area neural classifier for recognition of swallowing sounds using continuous wavelet transform. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 3128-31.	0.5	10
105	Limited receptive area neural classifier for recognition of swallowing sounds using short-time Fourier transform. Neural Networks (IJCNN), International Joint Conference on, 2007, , .	0.0	9
106	Error Encoded PDE-Textons for Face Recognition. , 2007, , .		1
107	On Techniques for Angle Compensation in Nonideal Iris Recognition. IEEE Transactions on Systems, Man, and Cybernetics, 2007, 37, 1176-1190.	5.5	118
108	Identifying frequency-domain features for an EEG-based pain measurement system. , 2007, , .		16

#	ARTICLE	IF	CITATIONS
109	Fingerprint Liveness Detection Using Local Ridge Frequencies and Multiresolution Texture Analysis Techniques. , 2006, , .		74
110	Comparison of ridge- and intensity-based perspiration liveness detection methods in fingerprint scanners. , 2006, 6202, 94.		18
111	Active shape models for effective iris segmentation. , 2006, 6202, 166.		39
112	Biorthogonal-wavelets-based iris recognition. , 2005, 5779, 59.		5
113	Time-Series Detection of Perspiration as a Liveness Test in Fingerprint Devices. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 2005, 35, 335-343.	3.3	152
114	Detecting Liveness in Fingerprint Scanners Using Wavelets: Results of the Test Dataset. Lecture Notes in Computer Science, 2004, , 100-110.	1.0	20
115	Activity-based sleep-wake identification in infants. Physiological Measurement, 2004, 25, 1291-1304.	1.2	58
116	<title>Improvement of an algorithm for recognition of liveness using perspiration in fingerprint devices</title>. , 2004, , .		3
117	<title>A wavelet-based approach to detecting liveness in fingerprint scanners</title>. , 2004, 5404, 278.		25
118	<title>Nonfrontal/nonideal iris localization and acquisition</title>. , 2004, , .		2
119	Determination of vitality from a non-invasive biomedical measurement for use in fingerprint scanners. Pattern Recognition, 2003, 36, 383-396.	5.1	143
120	Spoofing and Anti-Spoofing Measures. Information Security Technical Report, 2002, 7, 56-62.	1.3	227
121	Automatic detection of artifacts in heart period data. Journal of Electrocardiology, 2001, 34, 205-210.	0.4	27
122	Use of approximate entropy measurements to classify ventricular tachycardia and fibrillation. Journal of Electrocardiology, 1998, 31, 101-105.	0.4	60
123	Augmented Two-Channel Arrhythmia Detection: An Efficient Diagnostic Method for Implantable Devices. PACE - Pacing and Clinical Electrophysiology, 1996, 19, 1493-1501.	0.5	2
124	Tachycardia Detection by Antitachycardia Devices: Present Limitations and Future Strategies. Journal of Interventional Cardiology, 1994, 7, 459-472.	0.5	5
125	Activity-based sleep-wake identification in infants. , 0, , .		1
126	Analysis of heart rate variability in a rabbit model of heart failure using Karhunen-Loeve expansion. , 0, , .		0



#	ARTICLE	IF	CITATIONS
127	Continuous time delay neural networks for detection of temporal patterns in signals. , 0, , .		2
128	Off-Angle Iris Recognition Using Bi-Orthogonal Wavelet Network System. , 0, , .		10
129	Reliable determination of sleep versus wake from heart rate variability using neural networks. , 0, , .		6