

Andreas Braun

List of Publications by Year in descending order

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Version: 2024-02-01

66
papers

601
citations

1039880

9
h-index

887953

17
g-index

74
all docs

74
docs citations

74
times ranked

408
citing authors

#	ARTICLE	IF	CITATIONS
1	An experimental overview on electric field sensing. Journal of Ambient Intelligence and Humanized Computing, 2019, 10, 813-824.	3.3	3
2	Designing and evaluating safety services using depth cameras. Journal of Ambient Intelligence and Humanized Computing, 2019, 10, 747-759.	3.3	8
3	E-textile capacitive electrodes: Fabric or thread. , 2019, , .		1
4	Designing a self-aware jacket. , 2019, , .		0
5	Investigating large curved interaction devices. Personal and Ubiquitous Computing, 2019, 23, 739-748.	1.9	1
6	The Emotive Couch - Learning Emotions by Capacitively Sensed. Procedia Computer Science, 2018, 130, 263-270.	1.2	9
7	SurfaceVox - Exploring Sound Control for Gesture-Tracking Interactive Surfaces. , 2018, , .		0
8	Surface Acoustic Arrays to Analyze Human Activities in Smart Environments. Lecture Notes in Computer Science, 2018, , 115-130.	1.0	1
9	Prototyping Shape-Sensing Fabrics Through Physical Simulation. Lecture Notes in Computer Science, 2018, , 147-161.	1.0	1
10	Step by Step: Early Detection of Diseases Using an Intelligent Floor. Lecture Notes in Computer Science, 2018, , 131-146.	1.0	1
11	Fitness Activity Recognition on Smartphones Using Doppler Measurements. Informatics, 2018, 5, 24.	2.4	14
12	An Ontology for Wearables Data Interoperability and Ambient Assisted Living Application Development. Studies in Fuzziness and Soft Computing, 2018, , 559-568.	0.6	5
13	Text Localization in Born-Digital Images of Advertisements. Lecture Notes in Computer Science, 2018, , 627-634.	1.0	1
14	Indoor Localization Based on Passive Electric Field Sensing. Lecture Notes in Computer Science, 2017, , 64-79.	1.0	6
15	E-Textile Couch: Towards Smart Garments Integrated Furniture. Lecture Notes in Computer Science, 2017, , 214-224.	1.0	11
16	Safety Services in Smart Environments Using Depth Cameras. Lecture Notes in Computer Science, 2017, , 80-93.	1.0	4
17	Ambient Intelligence. Lecture Notes in Computer Science, 2017, , .	1.0	5
18	Enabling an Internet of Things Framework for Ambient Assisted Living. Advanced Technologies and Societal Change, 2017, , 181-196.	0.8	8

#	ARTICLE	IF	CITATIONS
19	New Approaches for Localization and Activity Sensing in Smart Environments. <i>Advanced Technologies and Societal Change</i> , 2017, , 73-84.	0.8	5
20	Invisible Human Sensing in Smart Living Environments Using Capacitive Sensors. <i>Advanced Technologies and Societal Change</i> , 2017, , 43-53.	0.8	2
21	Curved - free-form interaction using capacitive proximity sensors. <i>Procedia Computer Science</i> , 2017, 109, 59-66.	1.2	3
22	Assistive apps for activities of daily living supporting persons with Downâ€™s Syndrome. <i>Journal of Ambient Intelligence and Smart Environments</i> , 2017, 9, 611-623.	0.8	3
23	Exercise Monitoring On Consumer Smart Phones Using Ultrasonic Sensing. , 2017, , .		13
24	Opportunities for Biometric Technologies in Smart Environments. <i>Lecture Notes in Computer Science</i> , 2017, , 175-182.	1.0	3
25	New Approach for Optimizing the Usage of Situation Recognition Algorithms Within IoT Domains. <i>Lecture Notes in Computer Science</i> , 2017, , 183-196.	1.0	2
26	Fiber Defect Detection of Inhomogeneous Voluminous Textiles. <i>Lecture Notes in Computer Science</i> , 2017, , 278-287.	1.0	8
27	Benchmarking sensors in smart environmentsâ€™ Method and use cases. <i>Journal of Ambient Intelligence and Smart Environments</i> , 2016, 8, 645-664.	0.8	2
28	Low-cost indoor localization using cameras â€™ Evaluating AmbiTrack and its applications in Ambient Assisted Living. <i>Journal of Ambient Intelligence and Smart Environments</i> , 2016, 8, 243-258.	0.8	4
29	CapTap. , 2016, , .		8
30	Prototyping Capacitive Sensing Applications with OpenCapSense. <i>GetMobile (New York, N Y)</i> , 2016, 20, 16-21.	0.7	3
31	Money Handling Training - Applications for Persons with Down Syndrome. , 2016, , .		5
32	Stereo-Image Normalization of Voluminous Objects Improves Textile Defect Recognition. <i>Lecture Notes in Computer Science</i> , 2016, , 181-192.	1.0	4
33	Exploring Machine Learning Object Classification for Interactive Proximity Surfaces. <i>Lecture Notes in Computer Science</i> , 2016, , 157-167.	1.0	0
34	Investigating Low-Cost Wireless Occupancy Sensors for Beds. <i>Lecture Notes in Computer Science</i> , 2016, , 26-34.	1.0	3
35	Capacitive proximity sensing in smart environments. <i>Journal of Ambient Intelligence and Smart Environments</i> , 2015, 7, 483-510.	0.8	75
36	CapSeat. , 2015, , .		23

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37	Acoustic tracking of hand activities on surfaces. , 2015, , .		19
38	Enhancing traffic safety with wearable low-resolution displays. , 2015, , .		8
39	Application and validation of capacitive proximity sensing systems in smart environments. Journal of Ambient Intelligence and Smart Environments, 2015, 7, 693-694.	0.8	1
40	Assessing Real World Imagery in Virtual Environments for People with Cognitive Disabilities. , 2015, , .		16
41	The Capacitive Chair. Lecture Notes in Computer Science, 2015, , 397-407.	1.0	18
42	ExerSeat - Sensor-Supported Exercise System for Ergonomic Microbreaks. Lecture Notes in Computer Science, 2015, , 236-251.	1.0	15
43	Personalization of Virtual Coaching Applications using Procedural Modeling. , 2015, , .		0
44	Towards interactive car interiors. , 2014, , .		10
45	MoviBed - Sleep Analysis Using Capacitive Sensors. Lecture Notes in Computer Science, 2014, , 171-181.	1.0	13
46	A Benchmarking Model for Sensors in Smart Environments. Lecture Notes in Computer Science, 2014, , 242-257.	1.0	5
47	OpenCapSense: A rapid prototyping toolkit for pervasive interaction using capacitive sensing. , 2013, , .		68
48	Swiss-cheese extended. , 2013, , .		32
49	User requirements for navigation assistance in public transit for elderly people. , 2013, , .		4
50	Capacitive sensor-based hand gesture recognition in ambient intelligence scenarios. , 2013, , .		6
51	Personalized Smart Environments to Increase Inclusion of People with Downâ€™s Syndrome. Lecture Notes in Computer Science, 2013, , 223-228.	1.0	13
52	Providing Visual Support for Selecting Reactive Elements in Intelligent Environments. Lecture Notes in Computer Science, 2013, , 248-263.	1.0	2
53	Marker-Free Indoor Localization and Tracking of Multiple Users in Smart Environments Using a Camera-Based Approach. Lecture Notes in Computer Science, 2013, , 349-357.	1.0	3
54	AmbiTrack - Marker-free Indoor Localization and Tracking of Multiple Users in Smart Environments with a Camera-based Approach. Communications in Computer and Information Science, 2013, , 83-93.	0.4	3

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55	Building Up Virtual Environments Using Gestures. Lecture Notes in Computer Science, 2013, , 70-78.	1.0	1
56	Context-Based Bounding Volume Morphing in Pointing Gesture Application. Lecture Notes in Computer Science, 2013, , 147-156.	1.0	2
57	Unobtrusive Recognition of Working Situations. Lecture Notes in Computer Science, 2013, , 115-121.	1.0	0
58	Visual support system for selecting reactive elements in intelligent environments. , 2012, , .		7
59	V2me: Evaluating the first steps in mobile friendship coaching. Journal of Ambient Intelligence and Smart Environments, 2012, 4, 517-534.	0.8	8
60	CapFloor â€œ A Flexible Capacitive Indoor Localization System. Communications in Computer and Information Science, 2012, , 26-35.	0.4	30
61	Dynamic User Representation in Video Phone Applications. Communications in Computer and Information Science, 2012, , 184-188.	0.4	0
62	Designing a multi-purpose capacitive proximity sensing input device. , 2011, , .		11
63	Adaptive Implicit Interaction for Healthy Nutrition and Food Intake Supervision. Lecture Notes in Computer Science, 2011, , 205-212.	1.0	4
64	Classification of User Postures with Capacitive Proximity Sensors in AAL-Environments. Lecture Notes in Computer Science, 2011, , 314-323.	1.0	23
65	Passive Identification and Control of Arbitrary Devices in Smart Environments. Lecture Notes in Computer Science, 2011, , 147-154.	1.0	2
66	Using the human body field as a medium for natural interaction. , 2009, , .		8