

# Oscar Mayora Ibarra

## List of Publications by Year in descending order

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Version: 2024-02-01

80  
papers

2,277  
citations

430843

18  
h-index

276858

41  
g-index

84  
all docs

84  
docs citations

84  
times ranked

2859  
citing authors

#	ARTICLE	IF	CITATIONS
1	Multidimensional Study on Usersâ€™ Evaluation of the KRAKEN Personal Data Sharing Platform. Applied Sciences (Switzerland), 2022, 12, 3270.	2.5	7
2	Unobtrusive Stress Assessment Using Smartphones. IEEE Transactions on Mobile Computing, 2021, 20, 2313-2325.	5.8	13
3	Defining Optimal Exercises for Efficient Detection of Parkinsonâ€™s Disease Using Machine Learning and Wearable Sensors. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-10.	4.7	14
4	Use of eHealth Platforms and Apps to Support Monitoring and Management of Home-Quarantined Patients With COVID-19 in the Province of Trento, Italy: App Development and Implementation. JMIR Formative Research, 2021, 5, e25713.	1.4	10
5	Participantsâ€™ Experience and Adherence in Repeated Measurement Studies Among Office-Based Workers. , 2021, , .		4
6	Choosing the Best Sensor Fusion Method: A Machine-Learning Approach. Sensors, 2020, 20, 2350.	3.8	28
7	Data-Driven Analysis of Parkinson's Disease and its Detection at an Early Stage. , 2020, , .		1
8	Smartphone-based self-monitoring in bipolar disorder: evaluation of usability and feasibility of two systems. International Journal of Bipolar Disorders, 2019, 7, 1.	2.2	35
9	Multi-Sensor Fusion for Activity Recognitionâ€™ A Survey. Sensors, 2019, 19, 3808.	3.8	57
10	Virtual Sensors for Optimal Integration of Human Activity Data. Sensors, 2019, 19, 2017.	3.8	9
11	Guidance to 2018 good practice: ARIA digitally-enabled, integrated, person-centred care for rhinitis and asthma. Clinical and Translational Allergy, 2019, 9, 16.	3.2	81
12	Editorial: Applications of Future Internet. Mobile Networks and Applications, 2019, 24, 1639-1640.	3.3	0
13	Detecting dressing failures using temporalâ€™relational visual grammars. Journal of Ambient Intelligence and Humanized Computing, 2019, 10, 2757-2770.	4.9	6
14	Allergic Rhinitis and its Impact on Asthma (ARIA) Phase 4 (2018): Change management in allergic rhinitis and asthma multimorbidity using mobile technology. Journal of Allergy and Clinical Immunology, 2019, 143, 864-879.	2.9	103
15	Transfer of innovation on allergic rhinitis and asthma multimorbidity in the elderly (<scp>MACVIA</scp>â€™<scp>ARIA</scp>) â€™<scp>EIP</scp> on <scp>AHA</scp> Twinning Reference Site (<scp>GARD</scp> research demonstration project). Allergy: European Journal of Allergy and Clinical Immunology. 2018, 73, 77-92.	5.7	54
16	Machine Learning and Data Analytics in Pervasive Health. Methods of Information in Medicine, 2018, 57, 194-196.	1.2	1
17	Automatic processing of Electronic Medical Records using Deep Learning. , 2018, , .		3
18	MASK 2017: ARIA digitally-enabled, integrated, person-centred care for rhinitis and asthma multimorbidity using real-world-evidence. Clinical and Translational Allergy, 2018, 8, 45.	3.2	104

#	ARTICLE	IF	CITATIONS
19	The Future of Pervasive Health. IEEE Pervasive Computing, 2017, 16, 16-20.	1.3	9
20	Validation of the MASK-rhinitis visual analogue scale on smartphone screens to assess allergic rhinitis control. Clinical and Experimental Allergy, 2017, 47, 1526-1533.	2.9	75
21	The Bipolar Illness Onset study: research protocol for the BIO cohort study. BMJ Open, 2017, 7, e015462.	1.9	119
22	Enabling prescription-based health apps. , 2017, , .		9
23	Wearable Therapy â€œ Detecting Information from Wearables and Mobiles that are Relevant to Clinical and Self-directed Therapy. Methods of Information in Medicine, 2017, 56, 37-39.	1.2	3
24	Challenges and opportunities in evolving TreC personal health record platform. , 2017, , .		4
25	Using Intermediate Models and Knowledge Learning to Improve Stress Prediction. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2017, , 140-151.	0.3	5
26	Stress modelling and prediction in presence of scarce data. Journal of Biomedical Informatics, 2016, 63, 344-356.	4.3	52
27	Classification of bipolar disorder episodes based on analysis of voice and motor activity of patients. Pervasive and Mobile Computing, 2016, 31, 50-66.	3.3	67
28	Automatic Stress Detection in Working Environments From Smartphonesâ€™ Accelerometer Data: A First Step. IEEE Journal of Biomedical and Health Informatics, 2016, 20, 1053-1060.	6.3	182
29	Mobile Health Systems for Bipolar Disorder. , 2016, , 1395-1405.		3
30	Requirements Identification Towards a Design of Adaptive ICTs for Supporting Bipolar Disorder Treatment in Different Healthcare Contexts. , 2015, , .		3
31	Smartphone app usage as a predictor of perceived stress levels at workplace. , 2015, , .		32
32	Investigating correlation between verbal interactions and perceived stress. , 2015, 2015, 1612-5.		7
33	Smartphone-Based Recognition of States and State Changes in Bipolar Disorder Patients. IEEE Journal of Biomedical and Health Informatics, 2015, 19, 140-148.	6.3	296
34	Mobile phones as medical devices in mental disorder treatment: an overview. Personal and Ubiquitous Computing, 2015, 19, 335-353.	2.8	164
35	From Ubiquitous Computing to Human Aware Networking: Exploiting the Know-how of Ubicomp Research for Improving Networked-User Experience. , 2015, , .		0
36	Evolving Pervasive Health Research into Clinical Practice. Methods of Information in Medicine, 2014, 53, 380-381.	1.2	4

#	ARTICLE	IF	CITATIONS
37	Using smart phone mobility traces for the diagnosis of depressive and manic episodes in bipolar patients. , 2014, , .		86
38	Tell me your apps and I will tell you your mood. , 2014, , .		55
39	Wireless Technology for Pervasive Healthcare. Mobile Networks and Applications, 2014, 19, 273-275.	3.3	4
40	Detecting Walking in Synchrony Through Smartphone Accelerometer and Wi-Fi Traces. Lecture Notes in Computer Science, 2014, , 33-46.	1.3	3
41	Mobile Health Systems for Bipolar Disorder. International Journal of Handheld Computing Research, 2014, 5, 1-12.	0.4	2
42	Monitoring activity of patients with bipolar disorder using smart phones. , 2013, , .		52
43	Virtual uniforms. , 2013, , .		1
44	System Design for Estimating Social Relationships from Sensing Data. , 2013, , .		1
45	Personal Health Systems for Bipolar Disorder Anecdotes, Challenges and Lessons Learnt from MONARCA Project. , 2013, , .		16
46	A system for remote orthopedics rehabilitation. , 2013, , .		3
47	Automatic Sensing of Speech Activity and Correlation with Mood Changes. Smart Sensors, Measurement and Instrumentation, 2013, , 195-205.	0.6	5
48	Multi-Modal Mobile Sensing of Social Interactions. , 2012, , .		38
49	Foreword: Mobility and Social Networks Confluence. Mobile Networks and Applications, 2012, 17, 771-772.	3.3	1
50	Analysis of Social Interactions Through Mobile Phones. Mobile Networks and Applications, 2012, 17, 808-819.	3.3	36
51	Investigation of indoor localization with ambient FM radio stations. , 2012, , .		37
52	Speech activity detection using accelerometer. , 2012, 2012, 2112-5.		17
53	Relational metric: A new metric for network service and in-network resource control. , 2012, , .		3
54	Wellness interventions and HCI. ACM SIGHT Record, 2012, 2, 51-53.	0.5	14

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55	Monitoring Dressing Activity Failures through RFID and Video. <i>Methods of Information in Medicine</i> , 2012, 51, 45-54.	1.2	25
56	Mobile Stress Treatment: The Interstress Approach. , 2012, , .		0
57	Correlation Between Self-Reported Mood States and Objectively Measured Social Interactions at Work: A Pilot Study. , 2011, , .		1
58	Editorial for Mobility and User-Centric Media. <i>Mobile Networks and Applications</i> , 2011, 16, 350-350.	3.3	0
59	BeeParking. , 2011, , .		1
60	Smartphone-centred wearable sensors network for monitoring patients with bipolar disorder. , 2011, 2011, 3644-7.		56
61	Future User Centric Media: Research Challenges and the Road Ahead. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2011, , 78-106.	0.3	0
62	Indoor Localization Using Audio Features of FM Radio Signals. <i>Lecture Notes in Computer Science</i> , 2011, , 246-249.	1.3	2
63	AID-ME: Automatic identification of dressing failures through monitoring of patients and activity Evaluation. , 2010, , .		13
64	FM radio for indoor localization with spontaneous recalibration. <i>Pervasive and Mobile Computing</i> , 2010, 6, 642-656.	3.3	28
65	Indoor Positioning Using FM Radio. <i>International Journal of Handheld Computing Research</i> , 2010, 1, 19-31.	0.4	12
66	Pervasive Healthcare. <i>Methods of Information in Medicine</i> , 2010, 49, 67-73.	1.2	101
67	SAMBA Project Experiences. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2010, , 60-69.	0.3	0
68	Mobile Habits: Inferring and Predicting User Activities with a Location-Aware Smartphone. <i>Advances in Soft Computing</i> , 2009, , 343-352.	0.4	10
69	iTheater Puppets Tangible Interactions for Storytelling. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2009, , 110-118.	0.3	8
70	FINDR: Low-Cost Indoor Positioning Using FM Radio. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2009, , 15-26.	0.3	5
71	Activity and emotion recognition to support early diagnosis of psychiatric diseases. , 2008, , .		22
72	User centric media in the future internet. , 2008, , .		3

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73	User Centric Media of the Future Internet. , 2008, , .		2
74	Activity and Emotion Recognition to Support Early Diagnosis of Psychiatric Diseases. , 2008, , .		10
75	Nailing the reality with GeoMedia: location-aware multimedia tags. , 2008, , .		1
76	Signal Processing Technologies for Ambient Intelligence in Home-Care Applications. Eurasip Journal on Advances in Signal Processing, 2007, 2007, .	1.7	1
77	CREATE-NET's Real-Life Service-Oriented Testbed in Trento. , 2007, , .		0
78	A Generic Widget Vocabulary for the Generation of Graphical and Speech-Driven User Interfaces. International Journal of Speech Technology, 2002, 5, 39-47.	2.2	18
79	A holographic memory approach for pollution forecasting in a high-density urban environment. Environmental Modelling and Software, 2001, 16, 641-647.	4.5	0
80	Handwritten digit recognition by means of a holographic associative memory. Expert Systems With Applications, 1998, 15, 399-403.	7.6	5