

# Rosalind W Picard

## List of Publications by Year in descending order

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64  
papers

9,824  
citations

186265

28  
h-index

265206

42  
g-index

69  
all docs

69  
docs citations

69  
times ranked

7754  
citing authors

#	ARTICLE	IF	CITATIONS
1	Automatic Recognition Methods Supporting Pain Assessment: A Survey. IEEE Transactions on Affective Computing, 2022, 13, 530-552.	8.3	112
2	Combining Electrodermal Activity With the Peak-Pain Time to Quantify Three Temporal Regions of Pain Experience. Frontiers in Pain Research, 2022, 3, 764128.	2.0	1
3	Sleep assessment by means of a wrist actigraphy-based algorithm: agreement with polysomnography in an ambulatory study on older adults. Chronobiology International, 2021, 38, 400-414.	2.0	13
4	Robust stability of melatonin circadian phase, sleep metrics, and chronotype across months in young adults living in real-world settings. Journal of Pineal Research, 2021, 70, e12720.	7.4	19
5	Irregular sleep and event schedules are associated with poorer self-reported well-being in US college students. Sleep, 2020, 43, .	1.1	57
6	Monitoring Changes in Depression Severity Using Wearable and Mobile Sensors. Frontiers in Psychiatry, 2020, 11, 584711.	2.6	61
7	Promoting Wellbeing with Sunny, a Chatbot that Facilitates Positive Messages within Social Groups. , 2020, , .		21
8	Toward Assessing and Recommending Combinations of Behaviors for Improving Health and Well-Being. ACM Transactions on Computing for Healthcare, 2020, 1, 1-29.	5.0	37
9	Probabilistic Latent Variable Modeling for Assessing Behavioral Influences on Well-Being. , 2019, , .		8
10	Multimodal Ambulatory Sleep Detection Using LSTM Recurrent Neural Networks. IEEE Journal of Biomedical and Health Informatics, 2019, 23, 1607-1617.	6.3	37
11	Multi-modal Active Learning From Human Data: A Deep Reinforcement Learning Approach. , 2019, , .		25
12	Use of In-Game Rewards to Motivate Daily Self-Report Compliance: Randomized Controlled Trial. Journal of Medical Internet Research, 2019, 21, e11683.	4.3	22
13	Continuous Pain Intensity Estimation from Autonomic Signals with Recurrent Neural Networks. , 2018, 2018, 5624-5627.		46
14	Multi-task multiple kernel machines for personalized pain recognition from functional near-infrared spectroscopy brain signals. , 2018, , .		8
15	Toward Impactful Collaborations on Computing and Mental Health. Journal of Medical Internet Research, 2018, 20, e49.	4.3	23
16	Identifying Objective Physiological Markers and Modifiable Behaviors for Self-Reported Stress and Mental Health Status Using Wearable Sensors and Mobile Phones: Observational Study. Journal of Medical Internet Research, 2018, 20, e210.	4.3	230
17	Multimodal ambulatory sleep detection. , 2017, 2017, 465-468.		13
18	Irregular sleep/wake patterns are associated with poorer academic performance and delayed circadian and sleep/wake timing. Scientific Reports, 2017, 7, 3216.	3.3	325

#	ARTICLE	IF	CITATIONS
19	Helping Others Regulate Emotion Predicts Increased Regulation of One's Own Emotions and Decreased Symptoms of Depression. <i>Personality and Social Psychology Bulletin</i> , 2017, 43, 729-739.	3.0	72
20	Multi-task neural networks for personalized pain recognition from physiological signals. , 2017, , .		51
21	2nd Symposia on Computing and Mental Health. , 2017, , .		3
22	Computing in Mental Health. , 2016, , .		29
23	Wearable ESM. , 2016, , .		44
24	Multiple Arousal Theory and Daily-Life Electrodermal Activity Asymmetry. <i>Emotion Review</i> , 2016, 8, 62-75.	3.4	179
25	Can We Predict Depression From the Asymmetry of Electrodermal Activity?. <i>Iproceedings</i> , 2016, 2, e23.	0.1	4
26	Predicting students' happiness from physiology, phone, mobility, and behavioral data. , 2015, 2015, 222-228.		101
27	Automatic identification of artifacts in electrodermal activity data. , 2015, 2015, 1934-7.		159
28	Recognizing academic performance, sleep quality, stress level, and mental health using personality traits, wearable sensors and mobile phones. , 2015, 2015, .		173
29	BioWatch: Estimation of Heart and Breathing Rates from Wrist Motions. , 2015, , .		84
30	Efficacy of a Web-Based, Crowdsourced Peer-To-Peer Cognitive Reappraisal Platform for Depression: Randomized Controlled Trial. <i>Journal of Medical Internet Research</i> , 2015, 17, e72.	4.3	148
31	Crowd-powered positive psychological interventions. <i>Journal of Positive Psychology</i> , 2014, 9, 509-516.	4.0	17
32	Comparison of sleep-wake classification using electroencephalogram and wrist-worn multi-modal sensor data. , 2014, 2014, 930-3.		21
33	Quantitative analysis of wrist electrodermal activity during sleep. <i>International Journal of Psychophysiology</i> , 2014, 94, 382-389.	1.0	114
34	Stress Recognition Using Wearable Sensors and Mobile Phones. , 2013, , .		345
35	Call Center Stress Recognition with Person-Specific Models. <i>Lecture Notes in Computer Science</i> , 2011, , 125-134.	1.3	121
36	Wireless Technologies, Ubiquitous Computing and Mobile Health: Application to Drug Abuse Treatment and Compliance with HIV Therapies. <i>Journal of Medical Toxicology</i> , 2010, 6, 212-216.	1.5	40

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37	A Wearable Sensor for Unobtrusive, Long-Term Assessment of Electrodermal Activity. IEEE Transactions on Biomedical Engineering, 2010, 57, 1243-1252.	4.2	513
38	Non-contact, automated cardiac pulse measurements using video imaging and blind source separation. Optics Express, 2010, 18, 10762.	3.4	1,224
39	Shybot. , 2008, , .		11
40	Gender-Specific Approaches to Developing Emotionally Intelligent Learning Companions. IEEE Intelligent Systems, 2007, 22, 62-69.	4.0	103
41	Toward an Affect-Sensitive AutoTutor. IEEE Intelligent Systems, 2007, 22, 53-61.	4.0	274
42	Relative subjective count and assessment of interruptive technologies applied to mobile monitoring of stress. International Journal of Human Computer Studies, 2007, 65, 361-375.	5.6	49
43	Automatic prediction of frustration. International Journal of Human Computer Studies, 2007, 65, 724-736.	5.6	460
44	Affective Computing and Autism. Annals of the New York Academy of Sciences, 2006, 1093, 228-248.	3.8	128
45	Special issue on dialog systems for health communication. Journal of Biomedical Informatics, 2006, 39, 465-467.	4.3	12
46	Self-Cam. , 2006, , .		20
47	Mixture of Gaussian Processes for Combining Multiple Modalities. Lecture Notes in Computer Science, 2005, , 86-96.	1.3	11
48	Establishing the computerâ€“patient working alliance in automated health behavior change interventions. Patient Education and Counseling, 2005, 59, 21-30.	2.2	377
49	Establishing and maintaining long-term human-computer relationships. ACM Transactions on Computer-Human Interaction, 2005, 12, 293-327.	5.7	787
50	Multimodal affect recognition in learning environments. , 2005, , .		225
51	The HandWave Bluetooth Skin Conductance Sensor. Lecture Notes in Computer Science, 2005, , 699-706.	1.3	57
52	Ethical Evaluation of Displays that Adapt to Affect. Cyberpsychology, Behavior and Social Networking, 2004, 7, 662-666.	2.2	3
53	Workshop on Social and Emotional Intelligence in Learning Environments. Lecture Notes in Computer Science, 2004, , 913-913.	1.3	1
54	Exertion interfaces. , 2003, , .		245

#	ARTICLE	IF	CITATIONS
55	Automated Posture Analysis for Detecting Learner's Interest Level. , 2003, , .		184
56	Computers that recognise and respond to user emotion: theoretical and practical implications. Interacting With Computers, 2002, 14, 141-169.	1.5	264
57	Adding Human-Provided Emotional Scaffolding to an Automated Reading Tutor That Listens Increases Student Persistence. Lecture Notes in Computer Science, 2002, , 992-992.	1.3	15
58	The Bayes Point Machine for computer-user frustration detection via pressuremouse. , 2001, , .		26
59	A real-time head nod and shake detector. , 2001, , .		101
60	Augmented Reality through Wearable Computing. Presence: Teleoperators and Virtual Environments, 1997, 6, 386-398.	0.6	291
61	Interactive learning with a "society of models". Pattern Recognition, 1997, 30, 565-581.	8.1	200
62	Periodicity, directionality, and randomness: Wold features for image modeling and retrieval. IEEE Transactions on Pattern Analysis and Machine Intelligence, 1996, 18, 722-733.	13.9	404
63	Photobook: Content-based manipulation of image databases. International Journal of Computer Vision, 1996, 18, 233-254.	15.6	1,062
64	Finding perceptually dominant orientations in natural textures. Spatial Vision, 1994, 8, 221-253.	1.4	13