

Jeffrey F Cohn

List of Publications by Year in descending order

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Version: 2024-02-01

134
papers

10,143
citations

218381

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155451

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139
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139
times ranked

5927
citing authors

#	ARTICLE	IF	CITATIONS
1	Interpretation of Depression Detection Models via Feature Selection Methods. <i>IEEE Transactions on Affective Computing</i> , 2023, 14, 133-152.	5.7	32
2	Deep Brain Stimulation for Depression Informed by Intracranial Recordings. <i>Biological Psychiatry</i> , 2022, 92, 246-251.	0.7	58
3	A Person- and Time-Varying Vector Autoregressive Model to Capture Interactive Infant-Mother Head Movement Dynamics. <i>Multivariate Behavioral Research</i> , 2021, 56, 739-767.	1.8	10
4	A Novel Framework for Network-Targeted Neuropsychiatric Deep Brain Stimulation. <i>Neurosurgery</i> , 2021, 89, E116-E121.	0.6	32
5	Systematic Evaluation of Design Choices for Deep Facial Action Coding Across Pose. <i>Frontiers in Computer Science</i> , 2021, 3, .	1.7	3
6	In Reply: A Novel Framework for Network-Targeted Neuropsychiatric Deep Brain Stimulation. <i>Neurosurgery</i> , 2021, 89, E283.	0.6	2
7	Reconsidering the Duchenne Smile: Formalizing and Testing Hypotheses About Eye Constriction and Positive Emotion. <i>Affective Science</i> , 2021, 2, 32-47.	1.5	10
8	Synthetic Expressions are Better Than Real for Learning to Detect Facial Actions. , 2021, , .		3
9	Human-Guided Modality Informativeness for Affective States. , 2021, 2021, 728-734.		2
10	Long-term ecological assessment of intracranial electrophysiology synchronized to behavioral markers in obsessive-compulsive disorder. <i>Nature Medicine</i> , 2021, 27, 2154-2164.	15.2	44
11	Facial Action Units and Head Dynamics in Longitudinal Interviews Reveal OCD and Depression severity and DBS Energy. , 2021, , .		7
12	Goals, Tasks, and Bonds: Toward the Computational Assessment of Therapist Versus Client Perception of Working Alliance. , 2021, , .		0
13	Crossing Domains for AU Coding: Perspectives, Approaches, and Measures. <i>IEEE Transactions on Biometrics, Behavior, and Identity Science</i> , 2020, 2, 158-171.	3.8	21
14	Deep Brain Stimulation for Intractable Obsessive-Compulsive Disorder: Progress and Opportunities. <i>American Journal of Psychiatry</i> , 2020, 177, 200-203.	4.0	16
15	Automated Detection of Optimal DBS Device Settings. , 2020, 2020, 354-356.		2
16	Multimodal Interaction in Psychopathology. , 2020, , .		0
17	Message from the General and Program Chairs FG 2020. , 2020, , .		0
18	Automated Measurement of Head Movement Synchrony during Dyadic Depression Severity Interviews. , 2019, 2019, .		6

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19	Cross-domain AU Detection: Domains, Learning Approaches, and Measures. , 2019, 2019, .		23
20	AFAR: A Deep Learning Based Tool for Automated Facial Affect Recognition. , 2019, 2019, .		24
21	Automatic Measurement of Visual Attention to Video Content using Deep Learning. , 2019, , .		2
22	The Case for Adaptive Neuromodulation to Treat Severe Intractable Mental Disorders. <i>Frontiers in Neuroscience</i> , 2019, 13, 152.	1.4	44
23	Editorial of Special Issue on Human Behaviour Analysis â€œIn-the-Wildâ€. <i>IEEE Transactions on Affective Computing</i> , 2019, 10, 4-6.	5.7	3
24	Reconsidering the Duchenne Smile: Indicator of Positive Emotion or Artifact of Smile Intensity?. , 2019, 2019, 594-599.		8
25	Gram Matrices Formulation of Body Shape Motion: An Application for Depression Severity Assessment. , 2019, , .		5
26	Dynamics of Face and Head Movement in Infants with and without Craniofacial Microsomia: An Automatic Approach. <i>Plastic and Reconstructive Surgery - Global Open</i> , 2019, 7, e2081.	0.3	39
27	FACS3D-Net: 3D Convolution based Spatiotemporal Representation for Action Unit Detection. , 2019, , .		21
28	The 2nd 3D Face Alignment in the Wild Challenge (3DFAW-Video): Dense Reconstruction From Video. , 2019, , .		10
29	D-PAttNet: Dynamic Patch-Attentive Deep Network for Action Unit Detection. <i>Frontiers in Computer Science</i> , 2019, 1, .	1.7	24
30	Affective facial computing: Generalizability across domains. , 2019, , 407-441.		11
31	Learning facial action units with spatiotemporal cues and multi-label sampling. <i>Image and Vision Computing</i> , 2019, 81, 1-14.	2.7	16
32	Unmasking the Devil in the Details: What Works for Deep Facial Action Coding?. , 2019, 2019, .		3
33	Viewpoint-Consistent 3D Face Alignment. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2018, 40, 2250-2264.	9.7	14
34	Objective measurement of head movement differences in children with and without autism spectrum disorder. <i>Molecular Autism</i> , 2018, 9, 14.	2.6	50
35	Facial Expressiveness in Infants With and Without Craniofacial Microsomia. <i>Cleft Palate-Craniofacial Journal</i> , 2018, 55, 711-720.	0.5	8
36	Advanced serious illness, multimorbidity, and multibeneficence: The role of communication. <i>Journal of Evaluation in Clinical Practice</i> , 2018, 24, 1279-1281.	0.9	4

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37	Dynamic Multimodal Measurement of Depression Severity Using Deep Autoencoding. IEEE Journal of Biomedical and Health Informatics, 2018, 22, 525-536.	3.9	120
38	FACSCaps: Pose-Independent Facial Action Coding with Capsules. , 2018, 2018, 2211-2220.		21
39	Automated Affect Detection in Deep Brain Stimulation for Obsessive-Compulsive Disorder. , 2018, 2018, 40-44.		16
40	Guest Editorial: The Computational Face. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2018, 40, 2541-2545.	9.7	4
41	Multimodal assessment of depression from behavioral signals. , 2018, , 375-417.		23
42	Detecting Depression Severity by Interpretable Representations of Motion Dynamics. , 2018, 2018, 739-745.		33
43	Automatic, Objective, and Efficient Measurement of Pain Using Automated Face Analysis. , 2018, , 121-146.		11
44	Selective Transfer Machine for Personalized Facial Expression Analysis. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2017, 39, 529-545.	9.7	151
45	Dense 3D face alignment from 2D video for real-time use. Image and Vision Computing, 2017, 58, 13-24.	2.7	68
46	A Branch-and-Bound Framework for Unsupervised Common Event Discovery. International Journal of Computer Vision, 2017, 123, 372-391.	10.9	10
47	Behavioral cues help predict impact of advertising on future sales. Image and Vision Computing, 2017, 65, 49-57.	2.7	2
48	Sayette Group Formation Task (GFT) Spontaneous Facial Expression Database. , 2017, 2017, 581-588.		37
49	Learning Spatial and Temporal Cues for Multi-Label Facial Action Unit Detection. , 2017, , .		97
50	FERA 2017 - Addressing Head Pose in the Third Facial Expression Recognition and Analysis Challenge. , 2017, 2017, 839-847.		89
51	Automatic action unit detection in infants using convolutional neural network. , 2017, 2017, 216-221.		22
52	Representing Self-organization and Nonstationarities in Dyadic Interaction Processes Using Dynamic Systems Modeling Techniques. Methodology of Educational Measurement and Assessment, 2017, , 269-286.	0.4	2
53	Continuous Supervised Descent Method for Facial Landmark Localisation. Lecture Notes in Computer Science, 2017, , 121-135.	1.0	1
54	Deep Learning for Facial Action Unit Detection Under Large Head Poses. Lecture Notes in Computer Science, 2016, , 359-371.	1.0	8

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55	A Framework for Joint Estimation and Guided Annotation of Facial Action Unit Intensity. , 2016, , .		3
56	Person-Independent 3D Gaze Estimation Using Face Frontalization. , 2016, , .		18
57	Self-Adaptive Matrix Completion for Heart Rate Estimation from Face Videos under Realistic Conditions. , 2016, , .		204
58	Multimodal Spontaneous Emotion Corpus for Human Behavior Analysis. , 2016, , .		225
59	A Primer on Observational Measurement. Assessment, 2016, 23, 404-413.	1.9	37
60	Editorial of special issue on spontaneous facial behaviour analysis. Computer Vision and Image Understanding, 2016, 147, 50-51.	3.0	0
61	Joint Patch and Multi-label Learning for Facial Action Unit and Holistic Expression Recognition. IEEE Transactions on Image Processing, 2016, 25, 3931-3946.	6.0	68
62	Confidence Preserving Machine for Facial Action Unit Detection. IEEE Transactions on Image Processing, 2016, 25, 4753-4767.	6.0	13
63	Seventh International Workshop on Human Behavior Understanding (HBU 2016). , 2016, , .		0
64	The First 3D Face Alignment in the Wild (3DFAW) Challenge. Lecture Notes in Computer Science, 2016, , 511-520.	1.0	24
65	Survey on RGB, 3D, Thermal, and Multimodal Approaches for Facial Expression Recognition: History, Trends, and Affect-Related Applications. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2016, 38, 1548-1568.	9.7	385
66	Multimodal Detection of Depression in Clinical Interviews. , 2015, 2015, 307-310.		51
67	Joint patch and multi-label learning for facial action unit detection. , 2015, 2015, 2207-2216.		134
68	Speech volume indexes sex differences in the social-emotional effects of alcohol.. Experimental and Clinical Psychopharmacology, 2015, 23, 255-264.	1.3	11
69	Extraversion and the rewarding effects of alcohol in a social context.. Journal of Abnormal Psychology, 2015, 124, 660-673.	2.0	66
70	Automatic Measurement of Head and Facial Movement for Analysis and Detection of Infants's™ Positive and Negative Affect. Frontiers in ICT, 2015, 2, .	3.6	11
71	Estimating smile intensity: A better way. Pattern Recognition Letters, 2015, 66, 13-21.	2.6	38
72	FERA 2014 chairs' welcome. , 2015, , .		1

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73	What can head and facial movements convey about positive and negative affect?. , 2015, , .		13
74	Confidence Preserving Machine for Facial Action Unit Detection. , 2015, , .		48
75	IntraFace. , 2015, 1, .		108
76	Unsupervised Synchrony Discovery in Human Interaction. , 2015, 2015, 3146-3154.		13
77	Cross-cultural detection of depression from nonverbal behaviour. , 2015, 1, .		50
78	How much training data for facial action unit detection?. , 2015, 1, .		23
79	Three dimensional binary edge feature representation for pain expression analysis. , 2015, 2015, .		7
80	Real-time dense 3D face alignment from 2D video with automatic facial action unit coding. , 2015, , .		2
81	Automated audiovisual depression analysis. Current Opinion in Psychology, 2015, 4, 75-79.	2.5	48
82	Spontaneous facial expression in unscripted social interactions can be measured automatically. Behavior Research Methods, 2015, 47, 1136-1147.	2.3	58
83	Open Challenges in Modelling, Analysis and Synthesis of Human Behaviour in Humanâ€“Human and Humanâ€“Machine Interactions. Cognitive Computation, 2015, 7, 397-413.	3.6	72
84	FERA 2015 - second Facial Expression Recognition and Analysis challenge. , 2015, , .		167
85	Head Movement Dynamics during Play and Perturbed Mother-Infant Interaction. IEEE Transactions on Affective Computing, 2015, 6, 361-370.	5.7	38
86	Dense 3D face alignment from 2D videos in real-time. , 2015, 1, .		128
87	Predicting Ad Liking and Purchase Intent: Large-Scale Analysis of Facial Responses to Ads. IEEE Transactions on Affective Computing, 2015, 6, 223-235.	5.7	101
88	Comparative Anatomy of the Face. , 2015, , 313-321.		3
89	Session details: Workshop Presentations. , 2015, , .		0
90	Dyadic Behavior Analysis in Depression Severity Assessment Interviews. , 2014, 2014, 112-119.		27

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91	Interpersonal Coordination of HeadMotion in Distressed Couples. IEEE Transactions on Affective Computing, 2014, 5, 155-167.	5.7	35
92	Nonverbal social withdrawal in depression: Evidence from manual and automatic analyses. Image and Vision Computing, 2014, 32, 641-647.	2.7	179
93	Spatio-temporal Event Classification Using Time-Series Kernel Based Structured Sparsity. Lecture Notes in Computer Science, 2014, 2014, 135-150.	1.0	19
94	Detecting Depression Severity from Vocal Prosody. IEEE Transactions on Affective Computing, 2013, 4, 142-150.	5.7	173
95	Head Movement Dynamics during Normal and Perturbed Parent-Infant Interaction. , 2013, , .		13
96	Affectiva-MIT Facial Expression Dataset (AM-FED): Naturalistic and Spontaneous Facial Expressions Collected "In-the-Wild". , 2013, , .		154
97	Social risk and depression: Evidence from manual and automatic facial expression analysis. , 2013, , 1-8.		109
98	Temporal coordination of head motion in couples with history of interpersonal violence. , 2013, , .		7
99	The temporal connection between smiles and blinks. , 2013, , .		4
100	Continuous AU intensity estimation using localized, sparse facial feature space. , 2013, , .		58
101	A comparison of alternative classifiers for detecting occurrence and intensity in spontaneous facial expression of infants with their mothers. , 2013, , .		6
102	The effects of alcohol on the emotional displays of Whites in interracial groups.. Emotion, 2013, 13, 468-477.	1.5	26
103	The eyes have it: Making positive expressions more positive and negative expressions more negative.. Emotion, 2012, 12, 430-436.	1.5	98
104	Intensity measurement of spontaneous facial actions: Evaluation of different image representations. , 2012, , .		8
105	Real-time avatar animation from a single image. , 2011, , .		22
106	Prediction-based classification for audiovisual discrimination between laughter and speech. , 2011, , .		9
107	Real-time avatar animation from a single image. , 2011, , 117-124.		33
108	Facial action unit recognition with sparse representation. , 2011, , .		57

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109	Person-independent facial expression detection using Constrained Local Models. , 2011, , .		74
110	Dynamic Cascades with Bidirectional Bootstrapping for Action Unit Detection in Spontaneous Facial Behavior. IEEE Transactions on Affective Computing, 2011, 2, 79-91.	5.7	43
111	Deformable Model Fitting by Regularized Landmark Mean-Shift. International Journal of Computer Vision, 2011, 91, 200-215.	10.9	686
112	Spontaneous facial expression in a small group can be automatically measured: An initial demonstration. Behavior Research Methods, 2010, 42, 1079-1086.	2.3	43
113	Non-rigid face tracking with enforced convexity and local appearance consistency constraint. Image and Vision Computing, 2010, 28, 781-789.	2.7	20
114	Unsupervised discovery of facial events. , 2010, , .		58
115	The Extended Cohn-Kanade Dataset (CK+): A complete dataset for action unit and emotion-specified expression. , 2010, , .		2,498
116	Registration Invariant Representations for Expression Detection. , 2010, , .		13
117	Least-squares congealing for large numbers of images. , 2009, , .		30
118	Face alignment through subspace constrained mean-shifts. , 2009, , .		259
119	Automatically detecting action units from faces of pain: Comparing shape and appearance features. , 2009, , .		15
120	Deformable model fitting with a mixture of local experts. , 2009, , .		13
121	Automated classification of gaze direction using spectral regression and support vector machine. , 2009, , .		7
122	Dynamic cascades with bidirectional bootstrapping for spontaneous facial action unit detection. , 2009, , .		17
123	Automated Measurement of Facial Expression in Infant-Mother Interaction: A Pilot Study. Infancy, 2009, 14, 285-305.	0.9	137
124	A framework for automated measurement of the intensity of non-posed Facial Action Units. , 2009, , .		76
125	Probabilistic constrained adaptive local displacement experts. , 2009, , .		1
126	Automatically detecting action units from faces of pain: Comparing shape and appearance features. , 2009, , .		2

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127	A framework for automated measurement of the intensity of non-posed Facial Action Units. , 2009, , .		5
128	Multi-PIE. , 2008, , .		290
129	Non-Rigid Object Alignment with a Mismatch Template Based on Exhaustive Local Search. , 2007, , .		10
130	Automatic recognition of eye blinking in spontaneously occurring behavior. Behavior Research Methods, 2003, 35, 420-428.	1.3	27
131	Recognizing action units for facial expression analysis. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2001, 23, 97-115.	9.7	1,304
132	FERA 2015 - second Facial Expression Recognition and Analysis challenge. , 0, .		1
133	Cross-Cultural Depression Recognition from Vocal Biomarkers. , 0, , .		30
134	Bag-of-Acoustic-Words for Mental Health Assessment: A Deep Autoencoding Approach. , 0, , .		1