Jeffrey F Cohn

List of Publications by Year
in descending order

134	10,143	218381	155451
papers	citations	26 h-index	55 g-index

139	139	139	5927
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The Extended Cohn-Kanade Dataset (CK+): A complete dataset for action unit and emotion-specified expression. , 2010, , .		2,498
2	Recognizing action units for facial expression analysis. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2001, 23, 97-115.	9.7	1,304
3	Deformable Model Fitting by Regularized Landmark Mean-Shift. International Journal of Computer Vision, 2011, 91, 200-215.	10.9	686
4	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
5	Multi-PIE. , 2008, , .		290
6	Face alignment through subspace constrained mean-shifts. , 2009, , .		259
7	Multimodal Spontaneous Emotion Corpus for Human Behavior Analysis. , 2016, , .		225
8	Self-Adaptive Matrix Completion for Heart Rate Estimation from Face Videos under Realistic Conditions. , 2016, , .		204
9	Nonverbal social withdrawal in depression: Evidence from manual and automatic analyses. Image and Vision Computing, 2014, 32, 641-647.	2.7	179
10	Detecting Depression Severity from Vocal Prosody. IEEE Transactions on Affective Computing, 2013, 4, 142-150.	5.7	173
11	FERA 2015 - second Facial Expression Recognition and Analysis challenge. , 2015, , .		167
12	Affectiva-MIT Facial Expression Dataset (AM-FED): Naturalistic and Spontaneous Facial Expressions Collected "In-the-Wild". , 2013, , .		154
13	Selective Transfer Machine for Personalized Facial Expression Analysis. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2017, 39, 529-545.	9.7	151
14	Automated Measurement of Facial Expression in Infantâ€“Mother Interaction: A Pilot Study. Infancy, 2009, 14, 285-305.	0.9	137
15	Joint patch and multi-label learning for facial action unit detection. , 2015, 2015, 2207-2216.		134
16	Dense 3D face alignment from 2D videos in real-time. , 2015, 1, .		128
17	Dynamic Multimodal Measurement of Depression Severity Using Deep Autoencoding. IEEE Journal of Biomedical and Health Informatics, 2018, 22, 525-536.	3.9	120
18	Social risk and depression: Evidence from manual and automatic facial expression analysis. , 2013, , 1-8.		109

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19	IntraFace. , 2015, 1, .		108
20	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
21	The eyes have it: Making positive expressions more positive and negative expressions more negative.. Emotion, 2012, 12, 430-436.	1.5	98
22	Learning Spatial and Temporal Cues for Multi-Label Facial Action Unit Detection. , 2017, , .		97
23	FERA 2017 - Addressing Head Pose in the Third Facial Expression Recognition and Analysis Challenge. , 2017, 2017, 839-847.		89
24	A framework for automated measurement of the intensity of non-posed Facial Action Units. , 2009, , .		76
25	Person-independent facial expression detection using Constrained Local Models. , 2011, , .		74
26	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
27	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
28	Dense 3D face alignment from 2D video for real-time use. Image and Vision Computing, 2017, 58, 13-24.	2.7	68
29	Extraversion and the rewarding effects of alcohol in a social context.. Journal of Abnormal Psychology, 2015, 124, 660-673.	2.0	66
30	Unsupervised discovery of facial events. , 2010, , .		58
31	Continuous AU intensity estimation using localized, sparse facial feature space. , 2013, , .		58
32	Spontaneous facial expression in unscripted social interactions can be measured automatically. Behavior Research Methods, 2015, 47, 1136-1147.	2.3	58
33	Deep Brain Stimulation for Depression Informed by Intracranial Recordings. Biological Psychiatry, 2022, 92, 246-251.	0.7	58
34	Facial action unit recognition with sparse representation. , 2011, , .		57
35	Multimodal Detection of Depression in Clinical Interviews. , 2015, 2015, 307-310.		51
36	Cross-cultural detection of depression from nonverbal behaviour. , 2015, 1, .		50

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37	Objective measurement of head movement differences in children with and without autism spectrum disorder. Molecular Autism, 2018, 9, 14.	2.6	50
38	Confidence Preserving Machine for Facial Action Unit Detection. , 2015, , .		48
39	Automated audiovisual depression analysis. Current Opinion in Psychology, 2015, 4, 75-79.	2.5	48
40	The Case for Adaptive Neuromodulation to Treat Severe Intractable Mental Disorders. Frontiers in Neuroscience, 2019, 13, 152.	1.4	44
41	Long-term ecological assessment of intracranial electrophysiology synchronized to behavioral markers in obsessive-compulsive disorder. Nature Medicine, 2021, 27, 2154-2164.	15.2	44
42	Spontaneous facial expression in a small group can be automatically measured: An initial demonstration. Behavior Research Methods, 2010, 42, 1079-1086.	2.3	43
43	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
44	Dynamics of Face and Head Movement in Infants with and without Craniofacial Microsomia: An Automatic Approach. Plastic and Reconstructive Surgery - Global Open, 2019, 7, e2081.	0.3	39
45	Estimating smile intensity: A better way. Pattern Recognition Letters, 2015, 66, 13-21.	2.6	38
46	Head Movement Dynamics during Play and Perturbed Mother-Infant Interaction. IEEE Transactions on Affective Computing, 2015, 6, 361-370.	5.7	38
47	A Primer on Observational Measurement. Assessment, 2016, 23, 404-413.	1.9	37
48	Sayette Group Formation Task (GFT) Spontaneous Facial Expression Database. , 2017, 2017, 581-588.		37
49	Interpersonal Coordination of HeadMotion in Distressed Couples. IEEE Transactions on Affective Computing, 2014, 5, 155-167.	5.7	35
50	Real-time avatar animation from a single image. , 2011, , 117-124.		33
51	Detecting Depression Severity by Interpretable Representations of Motion Dynamics. , 2018, 2018, 739-745.		33
52	A Novel Framework for Network-Targeted Neuropsychiatric Deep Brain Stimulation. Neurosurgery, 2021, 89, E116-E121.	0.6	32
53	Interpretation of Depression Detection Models via Feature Selection Methods. IEEE Transactions on Affective Computing, 2023, 14, 133-152.	5.7	32
54	Least-squares congealing for large numbers of images. , 2009, , .		30

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55	Cross-Cultural Depression Recognition from Vocal Biomarkers. , 0, , .		30
56	Automatic recognition of eye blinking in spontaneously occurring behavior. Behavior Research Methods, 2003, 35, 420-428.	1.3	27
57	Dyadic Behavior Analysis in Depression Severity Assessment Interviews. , 2014, 2014, 112-119.		27
58	The effects of alcohol on the emotional displays of Whites in interracial groups.. Emotion, 2013, 13, 468-477.	1.5	26
59	The First 3D Face Alignment in the Wild (3DFAW) Challenge. Lecture Notes in Computer Science, 2016, , 511-520.	1.0	24
60	AFAR: A Deep Learning Based Tool for Automated Facial Affect Recognition. , 2019, 2019, .		24
61	D-PAttNet: Dynamic Patch-Attentive Deep Network for Action Unit Detection. Frontiers in Computer Science, 2019, 1, .	1.7	24
62	How much training data for facial action unit detection?. , 2015, 1, .		23
63	Multimodal assessment of depression from behavioral signals. , 2018, , 375-417.		23
64	Cross-domain AU Detection: Domains, Learning Approaches, and Measures. , 2019, 2019, .		23
65	Real-time avatar animation from a single image. , 2011, , .		22
66	Automatic action unit detection in infants using convolutional neural network. , 2017, 2017, 216-221.		22
67	FACSCaps: Pose-Independent Facial Action Coding with Capsules. , 2018, 2018, 2211-2220.		21
68	FACS3D-Net: 3D Convolution based Spatiotemporal Representation for Action Unit Detection. , 2019, , .		21
69	Crossing Domains for AU Coding: Perspectives, Approaches, and Measures. IEEE Transactions on Biometrics, Behavior, and Identity Science, 2020, 2, 158-171.	3.8	21
70	Non-rigid face tracking with enforced convexity and local appearance consistency constraint. Image and Vision Computing, 2010, 28, 781-789.	2.7	20
71	Spatio-temporal Event Classification Using Time-Series Kernel Based Structured Sparsity. Lecture Notes in Computer Science, 2014, 2014, 135-150.	1.0	19
72	Person-Independent 3D Gaze Estimation Using Face Frontalization. , 2016, , .		18

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73	Dynamic cascades with bidirectional bootstrapping for spontaneous facial action unit detection. , 2009, , .		17
74	Automated Affect Detection in Deep Brain Stimulation for Obsessive-Compulsive Disorder. , 2018, 2018, 40-44.		16
75	Learning facial action units with spatiotemporal cues and multi-label sampling. Image and Vision Computing, 2019, 81, 1-14.	2.7	16
76	Deep Brain Stimulation for Intractable Obsessive-Compulsive Disorder: Progress and Opportunities. American Journal of Psychiatry, 2020, 177, 200-203.	4.0	16
77	Automatically detecting action units from faces of pain: Comparing shape and appearance features. , 2009, , .		15
78	Viewpoint-Consistent 3D Face Alignment. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2018, 40, 2250-2264.	9.7	14
79	Deformable model fitting with a mixture of local experts. , 2009, , .		13
80	Registration Invariant Representations for Expression Detection. , 2010, , .		13
81	Head Movement Dynamics during Normal and Perturbed Parent-Infant Interaction. , 2013, , .		13
82	What can head and facial movements convey about positive and negative affect?. , 2015, , .		13
83	Unsupervised Synchrony Discovery in Human Interaction. , 2015, 2015, 3146-3154.		13
84	Confidence Preserving Machine for Facial Action Unit Detection. IEEE Transactions on Image Processing, 2016, 25, 4753-4767.	6.0	13
85	Speech volume indexes sex differences in the social-emotional effects of alcohol.. Experimental and Clinical Psychopharmacology, 2015, 23, 255-264.	1.3	11
86	Automatic Measurement of Head and Facial Movement for Analysis and Detection of Infantsâ€™ Positive and Negative Affect. Frontiers in ICT, 2015, 2, .	3.6	11
87	Automatic, Objective, and Efficient Measurement of Pain Using Automated Face Analysis. , 2018, , 121-146.		11
88	Affective facial computing: Generalizability across domains. , 2019, , 407-441.		11
89	Non-Rigid Object Alignment with a Mismatch Template Based on Exhaustive Local Search. , 2007, , .		10
90	A Branch-and-Bound Framework for Unsupervised Common Event Discovery. International Journal of Computer Vision, 2017, 123, 372-391.	10.9	10

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91	The 2nd 3D Face Alignment in the Wild Challenge (3DFAW-Video): Dense Reconstruction From Video. , 2019, , .		10
92	A Person- and Time-Varying Vector Autoregressive Model to Capture Interactive Infant-Mother Head Movement Dynamics. Multivariate Behavioral Research, 2021, 56, 739-767.	1.8	10
93	Reconsidering the Duchenne Smile: Formalizing and Testing Hypotheses About Eye Constriction and Positive Emotion. Affective Science, 2021, 2, 32-47.	1.5	10
94	Prediction-based classification for audiovisual discrimination between laughter and speech. , 2011, , .		9
95	Intensity measurement of spontaneous facial actions: Evaluation of different image representations. , 2012, , .		8
96	Deep Learning for Facial Action Unit Detection Under Large Head Poses. Lecture Notes in Computer Science, 2016, , 359-371.	1.0	8
97	Facial Expressiveness in Infants With and Without Craniofacial Microsomia. Cleft Palate-Craniofacial Journal, 2018, 55, 711-720.	0.5	8
98	Reconsidering the Duchenne Smile: Indicator of Positive Emotion or Artifact of Smile Intensity?. , 2019, 2019, 594-599.		8
99	Automated classification of gaze direction using spectral regression and support vector machine. , 2009, , .		7
100	Temporal coordination of head motion in couples with history of interpersonal violence. , 2013, , .		7
101	Three dimensional binary edge feature representation for pain expression analysis. , 2015, 2015, .		7
102	Facial Action Units and Head Dynamics in Longitudinal Interviews Reveal OCD and Depression severity and DBS Energy. , 2021, , .		7
103	A comparison of alternative classifiers for detecting occurrence and intensity in spontaneous facial expression of infants with their mothers. , 2013, , .		6
104	Automated Measurement of Head Movement Synchrony during Dyadic Depression Severity Interviews. , 2019, 2019, .		6
105	Gram Matrices Formulation of Body Shape Motion: An Application for Depression Severity Assessment. , 2019, , .		5
106	A framework for automated measurement of the intensity of non-posed Facial Action Units. , 2009, , .		5
107	The temporal connection between smiles and blinks. , 2013, , .		4
108	Advanced serious illness, multimorbidity, and multibeneficence: The role of communication. Journal of Evaluation in Clinical Practice, 2018, 24, 1279-1281.	0.9	4

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109	Guest Editorial: The Computational Face. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2018, 40, 2541-2545.	9.7	4
110	A Framework for Joint Estimation and Guided Annotation of Facial Action Unit Intensity. , 2016, , .		3
111	Editorial of Special Issue on Human Behaviour Analysis â€œIn-the-Wildâ€. IEEE Transactions on Affective Computing, 2019, 10, 4-6.	5.7	3
112	Systematic Evaluation of Design Choices for Deep Facial Action Coding Across Pose. Frontiers in Computer Science, 2021, 3, .	1.7	3
113	Synthetic Expressions are Better Than Real for Learning to Detect Facial Actions. , 2021, , .		3
114	Comparative Anatomy of the Face. , 2015, , 313-321.		3
115	Unmasking the Devil in the Details: What Works for Deep Facial Action Coding?. , 2019, 2019, .		3
116	Real-time dense 3D face alignment from 2D video with automatic facial action unit coding. , 2015, , .		2
117	Behavioral cues help predict impact of advertising on future sales. Image and Vision Computing, 2017, 65, 49-57.	2.7	2
118	Automatic Measurement of Visual Attention to Video Content using Deep Learning. , 2019, , .		2
119	In Reply: A Novel Framework for Network-Targeted Neuropsychiatric Deep Brain Stimulation. Neurosurgery, 2021, 89, E283.	0.6	2
120	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
121	Automatically detecting action units from faces of pain: Comparing shape and appearance features. , 2009, , .		2
122	Human-Guided Modality Informativeness for Affective States. , 2021, 2021, 728-734.		2
123	Automated Detection of Optimal DBS Device Settings. , 2020, 2020, 354-356.		2
124	Probabilistic constrained adaptive local displacement experts. , 2009, , .		1
125	FERA 2014 chairs' welcome. , 2015, , .		1
126	Continuous Supervised Descent Method for Facial Landmark Localisation. Lecture Notes in Computer Science, 2017, , 121-135.	1.0	1

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127	FERA 2015 - second Facial Expression Recognition and Analysis challenge. , 0, .		1
128	Bag-of-Acoustic-Words for Mental Health Assessment: A Deep Autoencoding Approach. , 0, , .		1
129	Editorial of special issue on spontaneous facial behaviour analysis. Computer Vision and Image Understanding, 2016, 147, 50-51.	3.0	0
130	Seventh International Workshop on Human Behavior Understanding (HBU 2016). , 2016, , .		0
131	Session details: Workshop Presentations. , 2015, , .		0
132	Multimodal Interaction in Psychopathology. , 2020, , .		0
133	Message from the General and Program Chairs FG 2020. , 2020, , .		0
134	Goals, Tasks, and Bonds: Toward the Computational Assessment of Therapist Versus Client Perception of Working Alliance. , 2021, , .		0