Ioannis Pavlidis

List of Publications by Year
in descending order

131 papers	4,326 citations	186265 28 h-index	144013 57 g-index
133 all docs	133 docs citations	133 times ranked	2687 citing authors

#	Article	IF	Citations
1	Search committee diversity and applicant pool representation of women and underrepresented minorities: A quasi-experimental field study.. Journal of Applied Psychology, 2022, 107, 1414-1427.	5.3	16
2	Biofeedback Arrests Sympathetic and Behavioral Effects in Distracted Driving. IEEE Transactions on Affective Computing, 2021, 12, 453-465.	8.3	5
3	Arousal Responses to Regular Acceleration Events Divide Drivers Into High and Low Groups. , 2021, , .		2
4	Under the Spell of Deadlines. , 2021, , .		1
5	The rise of affectivism. Nature Human Behaviour, 2021, 5, 816-820.	12.0	77
6	Grand challenges and emergent modes of convergence science. Humanities and Social Sciences Communications, 2021, 8, .	2.9	18
7	Forecasting Markers of Habitual Driving Behaviors Associated With Crash Risk. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 841-851.	8.0	20
8	Emotional Footprints of Email Interruptions. , 2020, , .		7
9	Dynamic Quantification of Migrainous Thermal Facial Patterns â€" A Pilot Study. IEEE Journal of Biomedical and Health Informatics, 2019, 23, 1225-1233.	6.3	5
10	Guest Editorial: IEEE-BIBE 2017 Special Issue â€œAdvances on Neuro-Informaticsâ€. IEEE Journal of Biomedical and Health Informatics, 2019, 23, 1477-1478.	6.3	0
11	Stress and productivity patterns of interrupted, synergistic, and antagonistic office activities. Scientific Data, 2019, 6, 264.	5.3	9
12	An Empirical Study Comparing Unobtrusive Physiological Sensors for Stress Detection in Computer Work. Sensors, 2019, 19, 3766.	3.8	23
13	Email Makes You Sweat. , 2019, , .		18
14	Absence of Stressful Conditions Accelerates Dexterous Skill Acquisition in Surgery. Scientific Reports, 2019, 9, 1747.	3.3	21
15	Scholar Plot: Design and Evaluation of an Information Interface for Faculty Research Performance. Frontiers in Research Metrics and Analytics, 2019, 4, 6.	1.9	4
16	Survey of potential receptivity to robotic-assisted exercise coaching in a diverse sample of smokers and nonsmokers. PLoS ONE, 2018, 13, e0197090.	2.5	6
17	Cross-disciplinary evolution of the genomics revolution. Science Advances, 2018, 4, eaat4211.	10.3	17
18	Causality Effects of Interventions and Stressors on Driving Behaviors under Typical Conditions. Mathematics, 2018, 6, 139.	2.2	7

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19	A multimodal dataset for various forms of distracted driving. Scientific Data, 2017, 4, 170110.	5.3	52
20	Dynamic 3D Print of the Breathing Function. , 2017, , .		2
21	Novel Computational Approach for Identification of Highly Mutated Integrated HIV Genomes. , 2017, , .		0
22	Dissecting Driver Behaviors Under Cognitive, Emotional, Sensorimotor, and Mixed Stressors. Scientific Reports, 2016, 6, 25651.	3.3	42
23	SubjectBook. , 2016, , .		2
24	Effects of Simple Personalized Goals on the Usage of a Physical Activity App. , 2016, , .		3
25	Turning security monitoring into an engaging high performance task. , 2016, , .		2
26	The ability of human nuclear DNA to cause false positive low-abundance heteroplasmy calls varies across the mitochondrial genome. BMC Genomics, 2016, 17, 1017.	2.8	36
27	Delineating the Operational Envelope of Mobile and Conventional EDA Sensing on Key Body Locations. , 2016, , .		16
28	Connecting Past with Present: A Mixed-Methods Science Ethics Course and its Evaluation. Science and Engineering Ethics, 2016, 22, 251-274.	2.9	3
29	Evaluating smartphone-based user interface designs for a 2D psychological questionnaire. , 2015, , .		2
30	Role model in human physical activity. , 2015, , .		3
31	Perinasal indicators of malevolence. , 2015, , .		1
32	Using Accelerometer Data to Estimate Surface Incline and Its Walking App Potential. , 2015, , .		3
33	Perinasal indicators of deceptive behavior. , 2015, , .		12
34	Interfacing information in affective user studies. , 2014, , .		1
35	Design and Usage of an Ozone Mapping App. , 2014, , .		3
36	Together we stand. Nature Physics, 2014, 10, 700-702.	16.7	30

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37	A Quantitative Perspective on Ethics in Large Team Science. Science and Engineering Ethics, 2014, 20, 923-945.	2.9	28
38	Spatiotemporal Smoothing as a Basis for Facial Tissue Tracking in Thermal Imaging. IEEE Transactions on Biomedical Engineering, 2013, 60, 1280-1289.	4.2	47
39	Interfacing real-time ozone information. , 2013, , .		2
40	A Comparative Analysis of Thermal and Visual Modalities for Automated Facial Expression Recognition. Lecture Notes in Computer Science, 2012, , 51-60.	1.3	14
41	Eustressed or distressed?. , 2012, , .		4
42	Left endocardium tracking via collaborative trackers and shape prior. , 2012, , .		1
43	Physiology-Based Face Recognition in the Thermal Infrared Spectrum. , 2012, , 1-16.		1
44	Perinasal Imaging of Physiological Stress and Its Affective Potential. IEEE Transactions on Affective Computing, 2012, 3, 366-378.	8.3	67
45	Fast by Nature - How Stress Patterns Define Human Experience and Performance in Dexterous Tasks. Scientific Reports, 2012, 2, 305.	3.3	76
46	Spatiotemporal Reconstruction of the Breathing Function. Lecture Notes in Computer Science, 2012, 15, 149-156.	1.3	5
47	Life events and dementia: What is the nature of their relationship?. Psychiatry Research, 2011, 190, 156-158.	3.3	14
48	Who said monitoring is boring. , 2011, , .		2
49	Cardiac MRI Intervention and Diagnosis via Deformable Collaborative Tracking. Lecture Notes in Computer Science, 2011, , 188-194.	1.3	0
50	Thermistor at a Distance: Unobtrusive Measurement of Breathing. IEEE Transactions on Biomedical Engineering, 2010, 57, 988-998.	4.2	135
51	Thermal Infrared Imaging during Polysomnography: Has the Time Come to Unwire the â€˜Wiredâ€™ Subjects?. , 2010, , 46-50.		0
52	A novel method to monitor driver's distractions. , 2010, , .		12
53	O job can you return my mojo. , 2010, , .		5
54	A novel way to conduct human studies and do some good. , 2010, , .		4

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55	Collaborative Tracking for MRI-Guided Robotic Intervention on the Beating Heart. Lecture Notes in Computer Science, 2010, 13, 351-358.	1.3	18
56	Laboratory evaluation of the accuracy of a triaxial accelerometer embedded into a cell phone platform for measuring physical activity. FASEB Journal, 2010, 24, 1044.5.	0.5	2
57	Description and clinical studies of a device for the instantaneous detection of office-place stress. Work, 2009, 34, 359-364.	1.1	17
58	Thermal Infrared Imaging: A Novel Method to Monitor Airflow During Polysomnography. Sleep, 2009, 32, 1521-1527.	1.1	68
59	Automatic Initiation of the Periorbital Signal Extraction in Thermal Imagery. , 2009, , .		2
60	On enhancing cardiac pulse measurements through thermal imaging. , 2009, , .		4
61	O' game, can you feel my frustration?. , 2009, , .		36
62	Making sense of accelerometer measurements in pervasive physical activity applications. , 2009, , .		7
63	Imaging Facial Signs of Neurophysiological Responses. IEEE Transactions on Biomedical Engineering, 2009, 56, 477-484.	4.2	121
64	Thermal Vision for Sleep Apnea Monitoring. Lecture Notes in Computer Science, 2009, 12, 1084-1091.	1.3	12
65	Physiological face recognition is coming of age. , 2009, , .		8
66	An Accelerometer-Based Earpiece to Monitor and Quantify Physical Activity. Journal of Physical Activity and Health, 2009, 6, 781-789.	2.0	14
67	Coalitional Tracker for Deception Detection in Thermal Imagery. , 2009, , 113-137.		3
68	A Method to Monitor Operator Overloading. Lecture Notes in Computer Science, 2009, , 169-175.	1.3	3
69	Tissue Tracking in Thermo-physiological Imagery through Spatio-temporal Smoothing. Lecture Notes in Computer Science, 2009, 12, 1092-1099.	1.3	16
70	Physiological face recognition is coming of age. , 2009, , .		1
71	The Segmentation of the Supraorbital Vessels in Thermal Imagery. , 2008, , .		10
72	A Probabilistic Template Update Method for Tracking Facial Tissue in Thermal Infrared. , 2008, , .		2

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73	Periorbital thermal signal extraction and applications. , 2008, 2008, 102-5.		8
74	NEAT-o-Games. Computers in Entertainment, 2008, 6, 1-22.	1.1	110
75	NEAT-o-Games. , 2008, , .		8
76	Contact-free Stress Monitoring for User's Divided Attention. , 2008, , .		3
77	Face Recognition Beyond the Visible Spectrum. , 2008, , 157-180.		15
78	NEAT-o-games. , 2007, , .		21
79	Physiology-Based Face Recognition in the Thermal Infrared Spectrum. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2007, 29, 613-626.	13.9	268
80	Forehead Thermal Signature Extraction in Lie Detection. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 243-6.	0.5	36
81	Virtual Thermistor. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 250-3.	0.5	25
82	Interacting with human physiology. Computer Vision and Image Understanding, 2007, 108, 150-170.	4.7	160
83	Contact-Free Measurement of Cardiac Pulse Based on the Analysis of Thermal Imagery. IEEE Transactions on Biomedical Engineering, 2007, 54, 1418-1426.	4.2	331
84	Imaging Facial Physiology for the Detection of Deceit. International Journal of Computer Vision, 2007, 71, 197-214.	15.6	114
85	Coalitional tracking. Computer Vision and Image Understanding, 2007, 106, 205-219.	4.7	45
86	Multispectral Face Recognition: Fusion of Visual Imagery with Physiological Information. , 2007, , 91-108.		18
87	Physiology-Based Face Recognition in the Thermal Infrared Spectrum. , 2007, , 13-1-13-16.		87
88	Face recognition by fusing thermal infrared and visible imagery. Image and Vision Computing, 2006, 24, 727-742.	4.5	213
89	Facial Skin Surface Temperature Changes During a â€œConcealed Informationâ€•Test. Annals of Biomedical Engineering, 2006, 34, 1182-1189.	2.5	55
90	Noncontact measurement of breathing function. IEEE Engineering in Medicine and Biology Magazine, 2006, 25, 57-67.	0.8	87

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91	Counting Heartbeats at a Distance. , 2006, 2006, 228-31.		8
92	Analysis of Breathing Air Flow Patterns in Thermal Imaging. , 2006, 2006, 946-52.		33
93	Harvesting the Thermal Cardiac Pulse Signal. Lecture Notes in Computer Science, 2006, 9, 569-576.	1.3	14
94	Biometrics. The Electrical Engineering Handbook, 2006, , 29-1-29-48.	0.2	6
95	Analysis of Breathing Air Flow Patterns in Thermal Imaging. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2006, , .	0.5	0
96	StressCam. , 2005, , .		121
97	New methods of operational interviewing: utilizing non-contact sensors. , 2005, 5778, 553.		1
98	Imaging Breathing Rate in the CO_2 Absorption Band. , 2005, 2006, 700-5.		20
99	<title>Infrared and visible image fusion for face recognition</title>. , 2004, , .		81
100	Touchless monitoring of breathing function. , 2004, 2004, 1196-9.		58
101	Fusion of Infrared and Visible Images for Face Recognition. Lecture Notes in Computer Science, 2004, , 456-468.	1.3	47
102	DETER: Detection of events for threat evaluation and recognition. Machine Vision and Applications, 2003, 15, 29-45.	2.7	32
103	Face Detection in the Near-IR Spectrum. Image and Vision Computing, 2003, 21, 565-578.	4.5	86
104	Face detection in the near-IR spectrum. , 2003, 5074, 745.		6
105	Video-Based Surveillance for Chem-Bio Protection of Buildings. , 2003, , 97-111.		0
106	Thermal image analysis for polygraph testing. IEEE Engineering in Medicine and Biology Magazine, 2002, 21, 56-64.	0.8	141
107	Seeing through the face of deception. Nature, 2002, 415, 35-35.	27.8	182
108	Urban surveillance systems: from the laboratory to the commercial world. Proceedings of the IEEE, 2001, 89, 1478-1497.	21.3	157

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109	The face of fear. Lancet, The, 2001, 357, 1757.	13.7	85
110	Automatic detection of vehicle occupants: the imaging problemand its solution. Machine Vision and Applications, 2000, 11, 313-320.	2.7	26
111	A vehicle occupant counting system based on near-infrared phenomenology and fuzzy neural classification. IEEE Transactions on Intelligent Transportation Systems, 2000, 1, 72-85.	8.0	26
112	The Energy Expended in Chewing Gum. New England Journal of Medicine, 1999, 341, 2100-2100.	27.0	61
113	ON-LINE HANDWRITING RECOGNITION USING PHYSICS-BASED SHAPE METAMORPHOSIS. Pattern Recognition, 1998, 31, 1589-1600.	8.1	9
114	Signature identification through the use of deformable structures. Signal Processing, 1998, 71, 187-201.	3.7	13
115	Recognition of on-line handwritten patterns through shape metamorphosis. , 1996, , .		4
116	Off-line recognition of signatures using revolving active deformable models. , 0, , .		8
117	Automatic selection of control points for deformable-model-based target tracking. , 0, , .		6
118	Recognition of 2D shapes through contour metamorphosis. , 0, , .		5
119	A near-infrared fusion scheme for automatic detection of vehicle passengers. , 0, , .		3
120	Automatic detection of vehicle passengers through near-infrared fusion. , 0, , .		6
121	A ground truth tool for Synthetic Aperture Radar (SAR) imagery. , 0, , .		0
122	The imaging issue in an automatic face/disguise detection system. , 0, , .		81
123	Monitoring of periorbital blood flow rate through thermal image analysis and its application to polygraph testing. , 0, , .		17
124	Continuous physiological monitoring. , 0, , .		14
125	Estimation of blood flow speed and vessel location from thermal video. , 0, , .		40
126	Face Recognition in the Thermal Infrared Spectrum. , 0, , .		37

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127	Automatic Thermal Monitoring System (ATHEMOS) for Deception Detection. , 0, , .		11
128	Imaging the Cardiovascular Pulse. , 0, , .		22
129	Tracking Human Breath in Infrared Imaging. , 0, , .		19
130	Face Recognition under the Skin. , 0, , 74-92.		1
131	Grand Challenges and Emergent Modes of Convergence Science. SSRN Electronic Journal, 0, , .	0.4	0