

# Ricardo Vardasca

## List of Publications by Year in descending order

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Version: 2024-02-01

97  
papers

916  
citations

567281

15  
h-index

580821

25  
g-index

100  
all docs

100  
docs citations

100  
times ranked

932  
citing authors

#	ARTICLE	IF	CITATIONS
1	Towards an Effective Decision Support System for Diabetic Foot Ulcers Diagnostic and Treatment Assessment. Lecture Notes in Networks and Systems, 2022, , 307-321.	0.7	0
2	Towards an Effective Imaging-Based Decision Support System for Skin Cancer. Advances in Healthcare Information Systems and Administration Book Series, 2022, , 354-382.	0.2	1
3	A Review on Infrared Thermal Imaging as a Tool in Carpal Tunnel Syndrome. , 2021, , 31-53.		0
4	Infrared Thermography in Swimming. , 2021, , 795-815.		1
5	Teaching Sentiment in Emergency Online Learning – A Conceptual Model. Education Sciences, 2021, 11, 53.	2.6	9
6	Quantitative Models for Prediction of Cumulative Trauma Disorders Applied to the Maquiladora Industry. International Journal of Environmental Research and Public Health, 2021, 18, 3830.	2.6	3
7	Pre-exercise skin temperature evolution is not related with 100m front crawl performance. Journal of Thermal Biology, 2021, 98, 102926.	2.5	3
8	Infrared thermal imaging monitoring on hands when performing repetitive tasks: An experimental study. PLoS ONE, 2021, 16, e0250733.	2.5	2
9	Comparison of machine learning strategies for infrared thermography of skin cancer. Biomedical Signal Processing and Control, 2021, 69, 102872.	5.7	29
10	Meta-Analysis and Systematic Review of the Application of Machine Learning Classifiers in Biomedical Applications of Infrared Thermography. Applied Sciences (Switzerland), 2021, 11, 842.	2.5	25
11	Towards Portuguese Sign Language Identification Using Deep Learning. Communications in Computer and Information Science, 2021, , 70-80.	0.5	0
12	Reliability of infrared image analysis based on anatomical landmarks. Infrared Physics and Technology, 2020, 104, 103149.	2.9	1
13	Thermographic differences due to dynamic work tasks on individuals with different obesity levels: a preliminary study. Computer Methods in Biomechanics and Biomedical Engineering: Imaging and Visualization, 2020, 8, 323-333.	1.9	2
14	A Review of Carpal Tunnel Syndrome and Its Association with Age, Body Mass Index, Cardiovascular Risk Factors, Hand Dominance, and Sex. Applied Sciences (Switzerland), 2020, 10, 3488.	2.5	22
15	Infrared thermography of the crânio-cervico-mandibular complex in wind and string instrumentalists. International Archives of Occupational and Environmental Health, 2020, 93, 645-658.	2.3	8
16	Adhesive dentistry sensory stimulus technique as a neuromechanism for the treatment of orofacial pain associated to temporomandibular disorders: Case study. Journal of Oral Biology and Craniofacial Research, 2020, 10, 6-12.	1.9	2
17	Skin temperature of the foot: comparing transthyretin Familial Amyloid Polyneuropathy and Diabetic Foot patients. Computer Methods in Biomechanics and Biomedical Engineering: Imaging and Visualization, 2019, 7, 504-511.	1.9	2
18	Relationship between skin temperature and soft tissue hardness in diabetic patients: an exploratory study. Physiological Measurement, 2019, 40, 074007.	2.1	5

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19	Evaluation of thermal pattern distributions in racehorse saddles using infrared thermography. PLoS ONE, 2019, 14, e0221622.	2.5	13
20	The Functional Interdependence of Wind Instrumentalistsâ€™ Embouchure and Their Craniofacial Features. International Journal of Online and Biomedical Engineering, 2019, 15, 17.	1.4	2
21	Are there any solutions for improving the cleft area hygiene in patients with cleft lip and palate? A systematic review. International Journal of Dental Hygiene, 2019, 17, 130-141.	1.9	16
22	Bilateral assessment of body core temperature through axillar, tympanic and inner canthi thermometers in a young population. Physiological Measurement, 2019, 40, 094001.	2.1	17
23	The role of AI classifiers in skin cancer images. Skin Research and Technology, 2019, 25, 750-757.	1.6	17
24	Biomedical musculoskeletal applications of infrared thermal imaging on arm and forearm: A systematic review. Journal of Thermal Biology, 2019, 82, 164-177.	2.5	16
25	Skin neoplasms dynamic thermal assessment. , 2019, , .		3
26	Thermal Analysis of Musculoskeletal Overload in Vertical Handling of Loads in an Heterogeneous Sample. Studies in Systems, Decision and Control, 2019, , 383-390.	1.0	0
27	Reliability of Forearm Skin Thermal Assessment During Handgrip Exercise. Studies in Systems, Decision and Control, 2019, , 447-455.	1.0	2
28	Distinguishing melanocytic nevi from melanomas using static and dynamic infrared thermal imaging. Journal of the European Academy of Dermatology and Venereology, 2019, 33, 1700-1705.	2.4	21
29	Biomedical Applications of Infrared Thermal Imaging: Current State of Machine Learning Classification. Proceedings (mdpi), 2019, 27, .	0.2	17
30	Towards an Automated Analysis of Forearm Thermal Images During Handgrip Exercise. Lecture Notes in Networks and Systems, 2019, , 498-506.	0.7	1
31	Handgrip Evaluation: Endurance and Handedness Dominance. Lecture Notes in Networks and Systems, 2019, , 507-516.	0.7	1
32	Bilateral comparison of forearm skin temperature during handgrip force exercise. , 2019, , .		1
33	Diabetic foot monitoring using dynamic thermography and AI classifiers. , 2019, , .		13
34	Strength and Skin Temperature Assessment: Comparing Active and Geriatric Populations. International Journal of Engineering and Applied Sciences (IJEAS), 2019, 6, .	0.1	1
35	Antero-cervical thermophysiological characterization of obstructive sleep apnea patients. Sleep and Breathing, 2018, 22, 1111-1116.	1.7	7
36	Recent use of medical infrared thermography in skin neoplasms. Skin Research and Technology, 2018, 24, 587-591.	1.6	31

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37	Skin Temperature Bilateral Differences at Upper Limbs and Joints in Healthy Subjects. Lecture Notes in Computational Vision and Biomechanics, 2018, , 1005-1010.	0.5	0
38	Skin Temperature of the Foot: A Comparative Study Between Familial Amyloid Polyneuropathy and Diabetic Foot Patients. Lecture Notes in Computational Vision and Biomechanics, 2018, , 1048-1052.	0.5	0
39	Towards the Automatic Detection of Hand Fingertips and Phalanges in Thermal Images. Lecture Notes in Computational Vision and Biomechanics, 2018, , 1053-1062.	0.5	2
40	Automatic Classification of Ulcers Through Visual Spectrum Image. Lecture Notes in Computational Vision and Biomechanics, 2018, , 297-305.	0.5	1
41	Classification and Decision Making of Medical Infrared Thermal Images. Lecture Notes in Computational Vision and Biomechanics, 2018, , 79-104.	0.5	19
42	Skin Temperature in Diabetic Foot Patients: A Study Focusing on the Angiosome Concept. Lecture Notes in Computational Vision and Biomechanics, 2018, , 1035-1040.	0.5	2
43	Efeitos imediatos do exerc�cio de vibra�o de corpo inteiro na simetria t�rmica das pernas e tornozelos. Revista Hospital Universit�rio Pedro Ernesto, 2018, 17, 22-29.	0.1	2
44	Feasibility of Infrared Thermography Use for Neuromusculoskeletal Rehabilitation. , 2018, , .		0
45	Thermographic Study of the Orofacial Structures Involved in Clarinetists Musical Performance. Dentistry Journal, 2018, 6, 62.	2.3	4
46	Combined Acquisition Method of Image and Signal Technique (CAMIST) for Assessment of Temporomandibular Disorders in Performing Arts Medicine. Medical Problems of Performing Artists, 2018, 33, 205-212.	0.4	7
47	A review of infrared thermography as applied to human sexual psychophysiology. International Journal of Psychophysiology, 2018, 133, 28-40.	1.0	7
48	Skin temperature of the foot: Reliability of infrared image analysis based in the angiosome concept. Infrared Physics and Technology, 2018, 92, 402-408.	2.9	8
49	New Instrument for Oral Hygiene of Children with Cleft Lip and Palate. Applied Sciences (Switzerland), 2018, 8, 576.	2.5	2
50	Wind Instrumentalists and Temporomandibular Disorder: From Diagnosis to Treatment. Dentistry Journal, 2018, 6, 41.	2.3	13
51	Multi-spectral Face Recognition System. Lecture Notes in Computational Vision and Biomechanics, 2018, , 983-997.	0.5	1
52	Analysis of Infrared Imaging During Vertical Handling Tasks in Workers with Different Levels of Obesity. Advances in Intelligent Systems and Computing, 2018, , 447-455.	0.6	0
53	Infrared Thermography in Water Sports. Biological and Medical Physics Series, 2017, , 137-157.	0.4	4
54	A review on the application of medical infrared thermal imaging in hands. Infrared Physics and Technology, 2017, 85, 315-323.	2.9	33

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55	Issues and Future Developments of Infrared Thermography in Sports Science. Biological and Medical Physics Series, 2017, , 297-319.	0.4	3
56	Infrared Thermography in Swimming. Advances in Medical Technologies and Clinical Practice Book Series, 2017, , 199-219.	0.3	1
57	Cooling Agents' Effect Monitoring When Applied to Skin of Healthy Human Subjects. Advances in Medical Technologies and Clinical Practice Book Series, 2017, , 79-92.	0.3	0
58	Towards a detailed anthropometric body characterization using the Microsoft Kinect. Technology and Health Care, 2016, 24, 251-265.	1.2	7
59	Use of infrared thermography for the diagnosis and grading of sprained ankle injuries. Infrared Physics and Technology, 2016, 76, 530-541.	2.9	20
60	Changes in face and hands skin temperatures during exposure to moderate cold thermal environment. , 2015, , 279-284.		0
61	Comparison of Different Image Enhancing Techniques for Medical Thermal Images. Journal of Medical Imaging and Health Informatics, 2015, 5, 709-714.	0.3	2
62	Remote sensing lab for medical thermal physiological assessment. , 2015, , .		0
63	Medical thermal imaging procedure for HAVS assessment. , 2015, , .		0
64	Performance of Jails versus Virtualization for Cloud Computing Solutions. Procedia Technology, 2014, 16, 649-658.	1.1	0
65	The effect of different vibration frequencies in the skin temperature in healthy subjects. , 2014, , .		4
66	The facial thermal effect of dynamic mechanical and vascular provocation tests: Preliminary study. , 2014, , .		2
67	Thermographic characterization of masticatory muscle regions in volunteers with and without myogenous temporomandibular disorder: preliminary results. Dentomaxillofacial Radiology, 2014, 43, 20130440.	2.7	27
68	Case Study in Thermal Monitoring of Physiotherapy Treatments to Ankle Sprains in Rugby Athletes. Pan American Journal of Medical Thermology, 2014, 1, 3-10.	0.1	1
69	A Template Based Method for Normalizing Thermal Images of the Human Body. , 2014, , .		3
70	A preliminary study on the relationship between energy expenditure and skin temperature in swimming. , 2014, , .		7
71	Towards a Medical Imaging Standard Capture and Analysis Software. , 2014, , .		4
72	A proposal of a standard rainbow false color scale for thermal medical images. , 2014, , .		2

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73	Recent application of infrared thermography in work-related musculoskeletal disorders. , 2014, , 737-741.		1
74	Current Issues in Medical Thermography. Lecture Notes in Computational Vision and Biomechanics, 2013, , 223-237.	0.5	21
75	NEW STANDARDS FOR FEVER SCREENING WITH THERMAL IMAGING SYSTEMS. Journal of Mechanics in Medicine and Biology, 2013, 13, 1350045.	0.7	19
76	Trends in mobile medical thermography. , 2013, , .		1
77	Information and Technology Implementation Issues in AAL Solutions. International Journal of E-Health and Medical Communications, 2013, 4, 1-17.	1.6	4
78	Building Low Cost Cloud Computing Systems. International Journal of Advanced Computer Science and Applications, 2013, 4, .	0.7	1
79	- Noninvasive Infrared Imaging for Functional Monitoring of Disease Processes. , 2012, , 374-405.		0
80	Thermal skin reference values in healthy late pregnancy. Journal of Thermal Biology, 2012, 37, 608-614.	2.5	11
81	Comparison of boundary detection techniques to improve image analysis in medical thermography. Imaging Science Journal, 2010, 58, 12-19.	0.5	10
82	Monitoring Cooling Agents Applied to the Skin of Normal Subjects by Quantitative Thermal Imaging. , 2008, , .		2
83	Is it possible myogenic temporomandibular dysfunctions change the facial thermal imaging?. Clinical and Laboratorial Research in Dentistry, 0, , .	0.1	5
84	New standards for fever screening with thermal imaging systems*. , 0, , 5-1-5-11.		2
85	Towards the Diabetic Foot Ulcers Classification with Infrared Thermal Images. , 0, , .		13
86	Classifying Skin Neoplasms with Infrared Thermal Images. , 0, , .		5
87	Thermal imaging in the monitoring of grade III ankle sprain rehabilitationâ€™a case study. , 0, , .		0
88	Hand arm vibration syndrome documented by thermal imagingâ€™a case report. , 0, , .		0
89	A case study in the diagnosis of a grade III ankle sprain using a combination of medical images. , 0, , .		0
90	Thermal imaging of the foot in different forms of diabetic disease. , 0, , 27-1-27-3.		1

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91	Malignant melanoma characterization with thermal and visual imaging. , 0, , .		0
92	Using thermal imaging to monitor the treatment of latent myofascial trigger points in the upper trapezius. , 0, , .		0
93	The outcomes of thermal symmetry after orofacial pain acupuncture treatment. , 0, , .		0
94	Discriminating patients with paediatric idiopathic hyperhidrosis from healthy subjects with infrared thermography and machine learning classifiers. , 0, , .		0
95	Thermal patterns of squamous cell carcinoma and actinic tumours. , 0, , .		0
96	Towards Dynamic Assessment of Healthy Breast Skin Temperature using Infrared Thermography. , 0, , .		0
97	Dynamics of plantar foot temperature after conductive cold provocation in diabetic patients and healthy controls. , 0, , .		0