

# Ricardo Vardasca

## List of Publications by Year in descending order

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Version: 2024-02-01

97  
papers

916  
citations

566801

15  
h-index

580395

25  
g-index

100  
all docs

100  
docs citations

100  
times ranked

932  
citing authors

#	ARTICLE	IF	CITATIONS
1	A review on the application of medical infrared thermal imaging in hands. <i>Infrared Physics and Technology</i> , 2017, 85, 315-323.	1.3	33
2	Recent use of medical infrared thermography in skin neoplasms. <i>Skin Research and Technology</i> , 2018, 24, 587-591.	0.8	31
3	Comparison of machine learning strategies for infrared thermography of skin cancer. <i>Biomedical Signal Processing and Control</i> , 2021, 69, 102872.	3.5	29
4	Thermographic characterization of masticatory muscle regions in volunteers with and without myogenous temporomandibular disorder: preliminary results. <i>Dentomaxillofacial Radiology</i> , 2014, 43, 20130440.	1.3	27
5	Meta-Analysis and Systematic Review of the Application of Machine Learning Classifiers in Biomedical Applications of Infrared Thermography. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 842.	1.3	25
6	A Review of Carpal Tunnel Syndrome and Its Association with Age, Body Mass Index, Cardiovascular Risk Factors, Hand Dominance, and Sex. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 3488.	1.3	22
7	Current Issues in Medical Thermography. <i>Lecture Notes in Computational Vision and Biomechanics</i> , 2013, , 223-237.	0.5	21
8	Distinguishing melanocytic nevi from melanomas using static and dynamic infrared thermal imaging. <i>Journal of the European Academy of Dermatology and Venereology</i> , 2019, 33, 1700-1705.	1.3	21
9	Use of infrared thermography for the diagnosis and grading of sprained ankle injuries. <i>Infrared Physics and Technology</i> , 2016, 76, 530-541.	1.3	20
10	NEW STANDARDS FOR FEVER SCREENING WITH THERMAL IMAGING SYSTEMS. <i>Journal of Mechanics in Medicine and Biology</i> , 2013, 13, 1350045.	0.3	19
11	Classification and Decision Making of Medical Infrared Thermal Images. <i>Lecture Notes in Computational Vision and Biomechanics</i> , 2018, , 79-104.	0.5	19
12	Bilateral assessment of body core temperature through axillar, tympanic and inner canthi thermometers in a young population. <i>Physiological Measurement</i> , 2019, 40, 094001.	1.2	17
13	The role of AI classifiers in skin cancer images. <i>Skin Research and Technology</i> , 2019, 25, 750-757.	0.8	17
14	Biomedical Applications of Infrared Thermal Imaging: Current State of Machine Learning Classification. <i>Proceedings (mdpi)</i> , 2019, 27, .	0.2	17
15	Are there any solutions for improving the cleft area hygiene in patients with cleft lip and palate? A systematic review. <i>International Journal of Dental Hygiene</i> , 2019, 17, 130-141.	0.8	16
16	Biomedical musculoskeletal applications of infrared thermal imaging on arm and forearm: A systematic review. <i>Journal of Thermal Biology</i> , 2019, 82, 164-177.	1.1	16
17	Wind Instrumentalists and Temporomandibular Disorder: From Diagnosis to Treatment. <i>Dentistry Journal</i> , 2018, 6, 41.	0.9	13
18	Evaluation of thermal pattern distributions in racehorse saddles using infrared thermography. <i>PLoS ONE</i> , 2019, 14, e0221622.	1.1	13

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19	Towards the Diabetic Foot Ulcers Classification with Infrared Thermal Images. , 0, , .		13
20	Diabetic foot monitoring using dynamic thermography and AI classifiers. , 2019, , .		13
21	Thermal skin reference values in healthy late pregnancy. <i>Journal of Thermal Biology</i> , 2012, 37, 608-614.	1.1	11
22	Comparison of boundary detection techniques to improve image analysis in medical thermography. <i>Imaging Science Journal</i> , 2010, 58, 12-19.	0.2	10
23	Teaching Sentiment in Emergency Online Learning – A Conceptual Model. <i>Education Sciences</i> , 2021, 11, 53.	1.4	9
24	Skin temperature of the foot: Reliability of infrared image analysis based in the angiosome concept. <i>Infrared Physics and Technology</i> , 2018, 92, 402-408.	1.3	8
25	Infrared thermography of the crĂnio-cervico-mandibular complex in wind and string instrumentalists. <i>International Archives of Occupational and Environmental Health</i> , 2020, 93, 645-658.	1.1	8
26	Towards a detailed anthropometric body characterization using the Microsoft Kinect. <i>Technology and Health Care</i> , 2016, 24, 251-265.	0.5	7
27	Antero-cervical thermophysiological characterization of obstructive sleep apnea patients. <i>Sleep and Breathing</i> , 2018, 22, 1111-1116.	0.9	7
28	Combined Acquisition Method of Image and Signal Technique (CAMIST) for Assessment of Temporomandibular Disorders in Performing Arts Medicine. <i>Medical Problems of Performing Artists</i> , 2018, 33, 205-212.	0.2	7
29	A review of infrared thermography as applied to human sexual psychophysiology. <i>International Journal of Psychophysiology</i> , 2018, 133, 28-40.	0.5	7
30	A preliminary study on the relationship between energy expenditure and skin temperature in swimming. , 2014, , .		7
31	Relationship between skin temperature and soft tissue hardness in diabetic patients: an exploratory study. <i>Physiological Measurement</i> , 2019, 40, 074007.	1.2	5
32	Is it possible myogenic temporomandibular dysfunctions change the facial thermal imaging?. <i>Clinical and Laboratorial Research in Dentistry</i> , 0, , .	0.1	5
33	Classifying Skin Neoplasms with Infrared Thermal Images. , 0, , .		5
34	Information and Technology Implementation Issues in AAL Solutions. <i>International Journal of E-Health and Medical Communications</i> , 2013, 4, 1-17.	1.4	4
35	The effect of different vibration frequencies in the skin temperature in healthy subjects. , 2014, , .		4
36	Infrared Thermography in Water Sports. <i>Biological and Medical Physics Series</i> , 2017, , 137-157.	0.3	4

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37	Thermographic Study of the Orofacial Structures Involved in Clarinetists Musical Performance. Dentistry Journal, 2018, 6, 62.	0.9	4
38	Towards a Medical Imaging Standard Capture and Analysis Software. , 2014, , .		4
39	Skin neoplasms dynamic thermal assessment. , 2019, , .		3
40	Quantitative Models for Prediction of Cumulative Trauma Disorders Applied to the Maquiladora Industry. International Journal of Environmental Research and Public Health, 2021, 18, 3830.	1.2	3
41	Pre-exercise skin temperature evolution is not related with 100m front crawl performance. Journal of Thermal Biology, 2021, 98, 102926.	1.1	3
42	Issues and Future Developments of Infrared Thermography in Sports Science. Biological and Medical Physics Series, 2017, , 297-319.	0.3	3
43	A Template Based Method for Normalizing Thermal Images of the Human Body. , 2014, , .		3
44	The facial thermal effect of dynamic mechanical and vascular provocation tests: Preliminary study. , 2014, , .		2
45	Comparison of Different Image Enhancing Techniques for Medical Thermal Images. Journal of Medical Imaging and Health Informatics, 2015, 5, 709-714.	0.2	2
46	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
47	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
48	Efeitos imediatos do exercÍcio de vibraÃ§Ã£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
49	New Instrument for Oral Hygiene of Children with Cleft Lip and Palate. Applied Sciences (Switzerland), 2018, 8, 576.	1.3	2
50	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.	1.3	2
51	The Functional Interdependence of Wind Instrumentalists Embouchure and Their Craniofacial Features. International Journal of Online and Biomedical Engineering, 2019, 15, 17.	0.9	2
52	Reliability of Forearm Skin Thermal Assessment During Handgrip Exercise. Studies in Systems, Decision and Control, 2019, , 447-455.	0.8	2
53	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.	1.3	2
54	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.	0.8	2

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55	Infrared thermal imaging monitoring on hands when performing repetitive tasks: An experimental study. PLoS ONE, 2021, 16, e0250733.	1.1	2
56	New standards for fever screening with thermal imaging systems*. , 0, , 5-1-5-11.		2
57	A proposal of a standard rainbow false color scale for thermal medical images. , 2014, , .		2
58	Monitoring Cooling Agents Applied to the Skin of Normal Subjects by Quantitative Thermal Imaging. , 2008, , .		2
59	Trends in mobile medical thermography. , 2013, , .		1
60	Automatic Classification of Ulcers Through Visual Spectrum Image. Lecture Notes in Computational Vision and Biomechanics, 2018, , 297-305.	0.5	1
61	Reliability of infrared image analysis based on anatomical landmarks. Infrared Physics and Technology, 2020, 104, 103149.	1.3	1
62	Infrared Thermography in Swimming. , 2021, , 795-815.		1
63	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
64	Multi-spectral Face Recognition System. Lecture Notes in Computational Vision and Biomechanics, 2018, , 983-997.	0.5	1
65	Towards an Automated Analysis of Forearm Thermal Images During Handgrip Exercise. Lecture Notes in Networks and Systems, 2019, , 498-506.	0.5	1
66	Handgrip Evaluation: Endurance and Handedness Dominance. Lecture Notes in Networks and Systems, 2019, , 507-516.	0.5	1
67	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
68	Bilateral comparison of forearm skin temperature during handgrip force exercise. , 2019, , .		1
69	Strength and Skin Temperature Assessment: Comparing Active and Geriatric Populations. International Journal of Engineering and Applied Sciences (IJEAS), 2019, 6, .	0.1	1
70	Infrared Thermography in Swimming. Advances in Medical Technologies and Clinical Practice Book Series, 2017, , 199-219.	0.3	1
71	Building Low Cost Cloud Computing Systems. International Journal of Advanced Computer Science and Applications, 2013, 4, .	0.5	1
72	Recent application of infrared thermography in work-related musculoskeletal disorders. , 2014, , 737-741.		1

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73	Thermal imaging of the foot in different forms of diabetic disease. , 0, , 27-1-27-3.		1
74	- Noninvasive Infrared Imaging for Functional Monitoring of Disease Processes. , 2012, , 374-405.		0
75	Performance of Jails versus Virtualization for Cloud Computing Solutions. Procedia Technology, 2014, 16, 649-658.	1.1	0
76	Changes in face and hands skin temperatures during exposure to moderate cold thermal environment. , 2015, , 279-284.		0
77	Remote sensing lab for medical thermal physiological assessment. , 2015, , .		0
78	Medical thermal imaging procedure for HAVS assessment. , 2015, , .		0
79	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
80	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
81	Feasibility of Infrared Thermography Use for Neuromusculoskeletal Rehabilitation. , 2018, , .		0
82	Thermal Analysis of Musculoskeletal Overload in Vertical Handling of Loads in an Heterogeneous Sample. Studies in Systems, Decision and Control, 2019, , 383-390.	0.8	0
83	A Review on Infrared Thermal Imaging as a Tool in Carpal Tunnel Syndrome. , 2021, , 31-53.		0
84	Towards an Effective Decision Support System for Diabetic Foot Ulcers Diagnostic and Treatment Assessment. Lecture Notes in Networks and Systems, 2022, , 307-321.	0.5	0
85	Thermal imaging in the monitoring of grade III ankle sprain rehabilitationâ€™a case study. , 0, , .		0
86	Hand arm vibration syndrome documented by thermal imagingâ€™a case report. , 0, , .		0
87	A case study in the diagnosis of a grade III ankle sprain using a combination of medical images. , 0, , .		0
88	Malignant melanoma characterization with thermal and visual imaging. , 0, , .		0
89	Using thermal imaging to monitor the treatment of latent myofascial trigger points in the upper trapezius. , 0, , .		0
90	The outcomes of thermal symmetry after orofacial pain acupuncture treatment. , 0, , .		0

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91	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
92	Analysis of Infrared Imaging During Vertical Handling Tasks in Workers with Different Levels of Obesity. Advances in Intelligent Systems and Computing, 2018, , 447-455.	0.5	0
93	Discriminating patients with paediatric idiopathic hyperhidrosis from healthy subjects with infrared thermography and machine learning classifiers. , 0, , .		0
94	Thermal patterns of squamous cell carcinoma and actinic tumours. , 0, , .		0
95	Towards Dynamic Assessment of Healthy Breast Skin Temperature using Infrared Thermography. , 0, , .		0
96	Dynamics of plantar foot temperature after conductive cold provocation in diabetic patients and healthy controls. , 0, , .		0
97	Towards Portuguese Sign Language Identification Using Deep Learning. Communications in Computer and Information Science, 2021, , 70-80.	0.4	0