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The use of thermal infra-red imaging to detect delayed onset muscle soreness

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Journal of Visualized Experiments, 2012, , .

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#	Paper	IF	Citations
37	Anterior cruciate ligament elasticity and force for flexion during the menstrual cycle. <i>Medical Science Monitor</i> , 2013 , 19, 1080-8	3.2	31
36	Differences in anterior cruciate ligament elasticity and force for knee flexion in women: oral contraceptive users versus non-oral contraceptive users. <i>European Journal of Applied Physiology</i> , 2014 , 114, 285-94	3.4	32
35	The Effect of Combined Skin and Deep Tissue Inflammatory Pain Models. <i>Pain Medicine</i> , 2015 , 16, 2053-648	6.48	9
34	Cold applications for recovery in adolescent athletes: a systematic review and meta analysis. <i>Extreme Physiology and Medicine</i> , 2015 , 4, 17		13
33	Effect of training level and blood flow restriction on thermal parameters: Preliminary study. <i>Infrared Physics and Technology</i> , 2016 , 79, 25-31	2.7	2
32	Infrared thermography: A non-invasive window into thermal physiology. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2016 , 202, 78-98	2.6	132
31	Effect of ThermaCare HeatWraps and Icy Hot Cream/Patches on Skin and Quadriceps Muscle Temperature and Blood Flow. <i>Journal of Chiropractic Medicine</i> , 2016 , 15, 9-18	1.2	6
30	Skin temperature changes after exercise and cold water immersion. <i>Sport Sciences for Health</i> , 2017 , 13, 195-202	1.3	9
29	Detection and characterization of exercise induced muscle damage (EIMD) via thermography and image processing. 2017 ,		
28	Infrared thermography reveals effect of working posture on skin temperature in office workers. <i>International Journal of Occupational Safety and Ergonomics</i> , 2018 , 24, 457-463	2.1	4
27	Thermal image processing to Recognize and Quantify Pain in Human Body. 2018 ,		
26	Can exercise-induced muscle damage be related to changes in skin temperature?. <i>Physiological Measurement</i> , 2018 , 39, 104007	2.9	10
25	Immediate effects of transcutaneous electrical nerve stimulation (TENS) administered during resistance exercise on pain intensity and physical performance of healthy subjects: a randomized clinical trial. <i>European Journal of Applied Physiology</i> , 2018 , 118, 1941-1958	3.4	3
24	Use of Digital Infrared Thermal Imaging in the Electromyography Clinic: A Case Series. <i>Cureus</i> , 2019 , 11, e4087	1.2	1
23	Association between physiological stress and skin temperature response after a half marathon. <i>Physiological Measurement</i> , 2019 , 40, 034009	2.9	6
22	Can infrared thermography be used to monitor fatigue during exercise? A case study. <i>Journal of Sport and Health Science</i> , 2019 , 8, 89-92	8.2	14
21	Infrared Thermography in Exercise Physiology: The Dawning of Exercise Radiomics. <i>Sports Medicine</i> , 2020 , 50, 263-282	10.6	13

20	Evaluation of Thermographic Imaging in Canine Hindlimb Muscles After 6 Min of Walking-A Pilot Study. <i>Frontiers in Veterinary Science</i> , 2020 , 7, 224	3.1	5
19	Does the type of foam roller influence the recovery rate, thermal response and DOMS prevention?. <i>PLoS ONE</i> , 2020 , 15, e0235195	3.7	7
18	Is skin temperature associated with muscle recovery status following a single bout of leg press?. <i>Physiological Measurement</i> , 2021 , 42,	2.9	2
17	Infrared thermal imaging monitoring on hands when performing repetitive tasks: An experimental study. <i>PLoS ONE</i> , 2021 , 16, e0250733	3.7	0
16	Musculoskeletal applications of infrared thermography on back and neck syndromes: a systematic review. <i>European Journal of Physical and Rehabilitation Medicine</i> , 2021 , 57, 386-396	4.4	2
15	Foot Temperature Assessment. 2017 , 235-263		2
14	Issues and Future Developments of Infrared Thermography in Sports Science. 2017 , 297-319		3
13	Infrared Thermography for the Detection of Injury in Sports Medicine. 2017 , 81-109		8
12	Application of Infrared Thermography in the Assessment of Muscle Damage in Elite Soccer Athletes. <i>MOJ Orthopedics & Rheumatology</i> , 2017 , 8,	2	1
11	Effects of intermittent negative pressure and active recovery therapies in the post-match period in elite soccer players: A randomized, parallel arm, comparative study. <i>Biomedical Human Kinetics</i> , 2020 , 12, 59-68	0.8	3
10	Moist heat or dry heat for delayed onset muscle soreness. <i>Journal of Clinical Medicine Research</i> , 2013 , 5, 416-25	2.9	20
9	Long term effect of Step Aerobics Training on skin temperature. A pilot study. <i>Progress in Health Sciences</i> , 2020 , 10, 65-73	0.1	1
8	The Effects of Proprioceptive Neuromuscular Facilitation Stretching on Post-Exercise Delayed Onset Muscle Soreness in Young Adults. <i>International Journal of Exercise Science</i> , 2014 , 7, 14-21	1.3	5
7	Thermal Infrared Imaging Can Differentiate Skin Temperature Changes Associated With Intense Single Leg Exercise, But Not With Delayed Onset of Muscle Soreness. <i>Journal of Sports Science and Medicine</i> , 2020 , 19, 469-477	2.7	0
6	Applications of thermal imaging with infrared thermography in Orthopaedics.. <i>Journal of Clinical Orthopaedics and Trauma</i> , 2022 , 24, 101722	2.1	1
5	Effects of Unilateral Muscle Fatigue on Thermographic Skin Surface Temperature of Back and Abdominal Muscles-A Pilot Study.. <i>Sports</i> , 2022 , 10,	3	0
4	Infrared Thermography as a Non-Invasive Tool in Musculoskeletal Disease Rehabilitation The Control Variables in Applicability A Systematic Review. <i>Applied Sciences (Switzerland)</i> , 2022 , 12, 4302	2.6	0
3	Differential Screening of Herniated Lumbar Discs Based on Bag of Visual Words Image Classification Using Digital Infrared Thermographic Images. <i>Healthcare (Switzerland)</i> , 2022 , 10, 1094	3.4	1

- 2 Skin temperature normalizes faster than pressure pain thresholds, pain intensity, and pain distribution during recovery from eccentric exercise. **2023**, 111, 103423
- 1 Thermographic assessment of skin response to strength training in young participants.