

# Irina BÄckelmann

## List of Publications by Year in descending order

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Version: 2024-02-01

58  
papers

885  
citations

759233

12  
h-index

713466

21  
g-index

101  
all docs

101  
docs citations

101  
times ranked

782  
citing authors

#	ARTICLE	IF	CITATIONS
1	Medical-psychological aspects of professional deformation of personality development among emergency medical staff. Zaporozhskij Medicinskij Zhurnal, 2022, 24, 61-69.	0.2	2
2	Objective assessment of mental stress in individuals with different levels of effort reward imbalance or overcommitment using heart rate variability: a systematic review. Systematic Reviews, 2022, 11, 48.	5.3	7
3	Activation of the stress response among the cardiac surgical residents: comparison of teaching procedures and other (daily) medical activities. Journal of Cardiothoracic Surgery, 2022, 17, 112.	1.1	2
4	Analysis of Work Related Factors, Behavior, Well-Being Outcome, and Job Satisfaction of Workers of Emergency Medical Service: A Systematic Review. International Journal of Environmental Research and Public Health, 2022, 19, 6660.	2.6	6
5	Stress and strain among veterinarians: a scoping review. Irish Veterinary Journal, 2022, 75, .	2.1	18
6	Randomised Controlled Study on Measures to Increase Vaccination Rates among German Armed Forces Soldiers. International Journal of Environmental Research and Public Health, 2022, 19, 8568.	2.6	2
7	Vaccination coverage rates of military personnel worldwide: a systematic review of the literature. International Archives of Occupational and Environmental Health, 2021, 94, 1-8.	2.3	5
8	Gesundes mobiles Arbeiten mit digitalen Assistenzsystemen im technischen Service (ArdiAS). , 2021, , 35-52.		1
9	Subjective and objective demands on different types of differential stress inventory. International Archives of Occupational and Environmental Health, 2021, 94, 855-866.	2.3	3
10	Effects of Different Training Interventions on Heart Rate Variability and Cardiovascular Health and Risk Factors in Young and Middle-Aged Adults: A Systematic Review. Frontiers in Physiology, 2021, 12, 657274.	2.8	40
11	Multimodal measurement approach to identify individuals with mild cognitive impairment: study protocol for a cross-sectional trial. BMJ Open, 2021, 11, e046879.	1.9	11
12	Heart rate variability as a strain indicator for psychological stress for emergency physicians during work and alert intervention: a systematic review. Journal of Occupational Medicine and Toxicology, 2021, 16, 24.	2.2	15
13	Heart Rate Variability in Different Levels of Burnout – Cross-Sectional Study of Different Occupational Groups Heart Rate Variability and Burnout. Journal of Occupational and Environmental Medicine, 2021, 63, e622-e630.	1.7	3
14	Students' experience of stress with different framework conditions and different origins. Inter Collegas, 2021, 8, 74-86.	0.1	0
15	Work-Related Behaviour and Experience Patterns Among Ambulance Service Personnel of Different Organizational Structures in Urban and Rural Regions. Journal of Occupational and Environmental Medicine, 2021, Publish Ahead of Print, .	1.7	7
16	The perception of stress, behavior in stressful situations and mental health of bank employees within a German-Ukrainian comparative study. International Journal of Occupational Medicine and Environmental Health, 2021, , .	1.3	1
17	Effects of Different Exercise Interventions on Cardiac Autonomic Control and Secondary Health Factors in Middle-Aged Adults: A Systematic Review. Journal of Cardiovascular Development and Disease, 2021, 8, 94.	1.6	6
18	Subjective and Objective Consequences of Stress in Subjects with Subjectively Different Sleep Quality – A Cross-Sectional Study. International Journal of Environmental Research and Public Health, 2021, 18, 9990.	2.6	11

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19	Mental Health and Work-Related Behaviors in Management of Work Requirements of University Lecturers in Ukraine – An Age Group Comparison. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 10573.	2.6	3
20	Age-Related Differences in Cardiac Autonomic Control at Resting State and in Response to Mental Stress. <i>Diagnostics</i> , 2021, 11, 2218.	2.6	1
21	Evaluation of Stress Levels of Trainee Cardiac Surgery Residents during Training Interventions Using Physiological Stress Parameters. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 11953.	2.6	4
22	Effects of different exercise interventions on heart rate variability and cardiovascular health factors in older adults: a systematic review. <i>European Review of Aging and Physical Activity</i> , 2021, 18, 24.	2.9	25
23	Relationship between Resting State Heart Rate Variability and Sleep Quality in Older Adults with Mild Cognitive Impairment. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 13321.	2.6	1
24	RESOURCES-BASED STRATEGIES FOR HEALTH PROMOTION OF STUDENTS WITH DIFFERENT GENERAL CONDITIONS AND DIFFERENT ORIGINS. <i>Inter Collegas</i> , 2021, 8, 132-143.	0.1	2
25	Effort-Reward Imbalance, Mental Health and Burnout in Occupational Groups That Face Mental Stress. <i>Journal of Occupational and Environmental Medicine</i> , 2020, 62, 847-852.	1.7	13
26	EEG correlates of cognitive load in a multiple choice reaction task. <i>Acta Neurobiologiae Experimentalis</i> , 2020, 80, 76-89.	0.7	6
27	Physical fitness as a risk factor for injuries and excessive stress symptoms during basic military training. <i>International Archives of Occupational and Environmental Health</i> , 2019, 92, 837-841.	2.3	13
28	Experience of international collaboration in solving actual medical and biological problems of occupational health and ecology. <i>Ukrainian Journal of Occupational Health</i> , 2018, 2018, 58-67.	0.7	2
29	New reference values of heart rate variability during ordinary daily activity. <i>Heart Rhythm</i> , 2017, 14, 304-307.	0.7	24
30	Prevalence of Cardiac Arrhythmia Under Stress Conditions in Occupational Health Assessments of Young Military Servicemen and Servicewomen. <i>Military Medicine</i> , 2016, 181, 369-372.	0.8	3
31	Injuries caused during military duty and leisure sport activity. <i>Work</i> , 2016, 54, 121-126.	1.1	6
32	The circadian rhythm of heart rate variability. <i>Biological Rhythm Research</i> , 2016, 47, 717-730.	0.9	35
33	Correlation between the results of three physical fitness tests (endurance, strength, speed) and the output measured during a bicycle ergometer test in a cohort of military servicemen. <i>Military Medical Research</i> , 2016, 3, 12.	3.4	8
34	Reference values for time- and frequency-domain heart rate variability measures. <i>Heart Rhythm</i> , 2016, 13, 1309-1316.	0.7	81
35	Comparing the effectiveness of karate and fitness training on cognitive functioning in older adults – A randomized controlled trial. <i>Journal of Sport and Health Science</i> , 2016, 5, 484-490.	6.5	36
36	Relevant Errors Relating to the Measuring Method. <i>Deutsches &amp; #x0308;rzteblatt International</i> , 2016, 113, 374.	0.9	1

#	ARTICLE	IF	CITATIONS
37	Toxische Wirkung von Methyltertiäbutylether (MTBE) auf das männliche Reproduktionssystem unter Kältebedingungen. Zentralblatt Für Arbeitsmedizin, Arbeitsschutz Und Ergonomie, 2013, 63, 80-90.	0.1	3
38	Beurteilung der Arbeitsbedingungen bei der Lederherstellung in der Ukraine. Zentralblatt Für Arbeitsmedizin, Arbeitsschutz Und Ergonomie, 2012, 62, 76-85.	0.1	0
39	Early Effects of Long-Term Neurotoxic Lead Exposure in Copper Works Employees. Journal of Toxicology, 2011, 2011, 1-11.	3.0	7
40	Methoden zur Indikation vorwiegend psychischer Berufsbelastung und Beanspruchung "Möglichkeiten für die betriebliche Praxis. Zeitschrift Für Arbeitswissenschaft, 2011, 65, 205-222.	1.6	27
41	Extended investigations of user-related issues in mobile industrial AR. , 2010, , .		23
42	Perceptual issues in optical-see-through displays. , 2010, , .		30
43	Pick-by-Vision: A first stress test. , 2009, , .		65
44	Ergebnisse einer arbeitspsychologischen Befragung von Verwaltungsangestellten zur individuellen Stressbewältigung. Zentralblatt Für Arbeitsmedizin, Arbeitsschutz Und Ergonomie, 2009, 59, 66-80.	0.1	1
45	Mobile Augmented Reality in industrial applications: Approaches for solution of user-related issues. , 2008, , .		37
46	Ophthalmologische Kontrolluntersuchung bei bleibelasteten Polizeischichtausbildern. Zentralblatt Für Arbeitsmedizin, Arbeitsschutz Und Ergonomie, 2008, 58, 110-120.	0.1	2
47	Herzfrequenzvariabilität bei bleibelasteten Polizeischichtausbildern unter standardisierten Laborbedingungen. Zentralblatt Für Arbeitsmedizin, Arbeitsschutz Und Ergonomie, 2008, 58, 322-328.	0.1	0
48	Individuelle Stressverarbeitung von Polizeibeamten als Grundlage für Präventionsmaßnahmen. Zentralblatt Für Arbeitsmedizin, Arbeitsschutz Und Ergonomie, 2007, 57, 12-29.	0.1	2
49	Psychologische und psychometrische Ergebnisse langeschnittsexponierter Lackierer im Längsschnittvergleich. Zentralblatt Für Arbeitsmedizin, Arbeitsschutz Und Ergonomie, 2007, 57, 66-75.	0.1	0
50	Arbeitsmedizinische Bedeutung der Herzschlagfrequenzvariabilität. Zentralblatt Für Arbeitsmedizin, Arbeitsschutz Und Ergonomie, 2007, 57, 158-166.	0.1	4
51	Influence of chronic exposure to organic solvent mixtures on contrast sensitivity in silk-screen printers: matched-pair analysis. Environmental Toxicology and Pharmacology, 2005, 19, 505-510.	4.0	10
52	Psychological effects of occupational exposure to organic solvent mixtures on printers. Disability and Rehabilitation, 2004, 26, 798-807.	1.8	14
53	The psychological effects of exposure to mixed organic solvents on car painters. Disability and Rehabilitation, 2002, 24, 455-461.	1.8	37
54	Assessing the Suitability of Cross-Sectional and Longitudinal Cardiac Rhythm Tests With Regard to Identifying Effects of Occupational Chronic Lead Exposure. Journal of Occupational and Environmental Medicine, 2002, 44, 59-65.	1.7	16

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55	Vegetative function diagnosis for early detection of lead intoxication. International Archives of Occupational and Environmental Health, 1996, 69, 14-20.	2.3	6
56	Vegetative function diagnosis for early detection of lead intoxication. International Archives of Occupational and Environmental Health, 1996, 69, 14-20.	2.3	2
57	Factors influencing heart rate variability. International Cardiovascular Forum Journal, 0, 6, .	1.1	54
58	Causes and consequences of psychological stress in the working life and emergency services of veterinary professionals in the Federal Republic of Germany: A protocol for a nationwide cross-sectional study. F1000Research, 0, 11, 42.	1.6	3