

The most important publications published on the RSU Research Portal in March 2026

Article, Review Article	Journal Impact factor (JIF 2024)
1. Darie, A. M., Grize, L., Jahn, K., & Saliņa, A. et al. (2025). Preventing oxygen desaturation during bronchoscopy in COPD patients using high-flow oxygen versus standard management: the randomised controlled PROSA 2 trial . European Respiratory Journal, 65(5), Article 2401586.	21.2
2. Lolansen, S. D., Révész, E. O., Andreassen, S. N., & Trapp, M. et al. (2025). Choroid plexus-mediated CSF secretion remains stable in aging rats via high and age-resistant metabolic activity . Nature Communications, 16(1), Article 6778.	15.7
3. Garcia-Prats, A. J., Garcia-Cremades, M., Cox, V., & Kredon, T. et al. (2025). Characteristics of children and adolescents with multidrug-resistant and rifampicin-resistant tuberculosis and their association with treatment outcomes: a systematic review and individual participant data meta-analysis . The Lancet Child and Adolescent Health, 9(2), 100-111.	15.5
4. Kawaguchi, A., Fernandez, A., Baudin, F., LongVentKids study group, & Balmaks, R. (2025). Prevalence, management, health-care burden, and 90-day outcomes of prolonged mechanical ventilation in the paediatric intensive care unit (LongVentKids): an international, prospective, cross-sectional cohort study . The Lancet Child and Adolescent Health, 9(1), 37-46.	15.5
5. Carl, J., Salin, K., Barnett, L. M., & Foweather, L. et al. (2026). Alignment of physical education curricula with physical literacy across Europe: an observational mapping study with country-level predictors . The Lancet Regional Health - Europe, 65, 1-13.	13.0
6. Yang, Y., Knoll, M. D., Herbert, C., & Bennett, J. C. et al. (2025). Global impact of 10- and 13-valent pneumococcal conjugate vaccines on pneumococcal meningitis in all ages: The PSERENADE project . Journal of Infection, 90(3), Article 106426.	11.9
7. Santova, A., de Bock, M., Lanzinger, S., & Goldbloom, E. B. et al. (2025). Global Inequities in Diabetes Technology and Insulin Access and Glycemic Outcomes . JAMA network open, 8(8), e2528933.	9.7
8. Hu, K., Schneider, C., Hutchinson, M. R., & Ergen, E. et al. (2025). Health and Performance Challenges in the Era of Human Enhancement: Insights from Sport Medicine Professionals . Sports medicine (Auckland, N.Z.), 55(10), 2627-2640.	9.4
9. Murovska, M., Krūmiņa, A., Arāja, D., & Kujawski, S. et al. (2026). Myalgic encephalomyelitis/chronic fatigue syndrome and fibromyalgia - overlap, differences, and emerging insights . Journal of Translational Medicine, 24(1), Article 425.	7.5
10. Zimmermann, K., Rodríguez-Lago, I., Sidhu, R., & Heinrich, H. et al. (2026). Promoting Well-Being Among Gastroenterologists – A Call for Systemic Action . United European Gastroenterology Journal, 14(1), Article e70149.	6.7
11. Wilczyńska, A., Karasov, O., Myszka, I., & Nevzati, F. et al. (2026). The socio-cultural values of ecosystem services in managed, semi-managed and low-managed urban blue spaces and their surroundings. A case study of Warsaw, Poland . Cities, 173, Article 106902.	6.6
12. Minskere, L., Kalniņa, D., Salkovska, J., & Batraga, A. (2026). Urban Communication in Smart Cities: Stakeholder Participation Motivators . Smart Cities, 9(4), Article 58.	5.5

13. Nikolajeva, K., Cauce, V., & Meija, L. (2025). [Validation of a Food Frequency Questionnaire for Assessing Fatty Acid Intake in Latvian Pregnant Women](#). *Nutrients*, 17(19), Article 3108. 5.0
14. Lapidus, L., Klein, M., Varga, I., & Voller, J. et al. (2025). [Clustering of Uterine Natural Killer Cells Around Uterine Glands in Women with Recurrent Implantation Failure and Recurrent Pregnancy Loss: an Immunohistochemical Study](#). *International Journal of Molecular Sciences*, 26(20), Article 10109. 4.9
15. Lāma, G., & Lastovska, A. (2025). [AI competence and sentiment: a mixed-methods study of attitudes and open-ended reflections](#). *Frontiers in Artificial Intelligence*, 8, Article 1658791. 4.7
16. Hansen, M., Grothen, J. E. R., Karlsen, A., & Martinez, J. M. et al. (2025). [The skeletal muscle response to high-intensity training assessed by single-nucleus RNA-sequencing is blunted in individuals with type 2 diabetes](#). *Journal of Physiology*, 603(11), 3357-3377. 4.4
17. Pretkalniņa, D., Jurčenko, M., Rozevska, M., & Gailīte, L. et al. (2025). [Novel GNB4 Gene Variant and the Spectrum of GNB4 Variants in Patients With Charcot-Marie-Tooth Disease](#). *Neurology: Genetics*, 11(6), Article e200310. 4.3
18. Habib, N., Upane, A., Ivanova, L., & Schettini, G. et al. (2026). [Isthmocele: from Detection to Treatment: A Narrative Review](#). *Advances in Therapy*, 43(2), 520-536. 4.1
19. Viegas, H., Sousa-Pinto, B., Vieira, R. J., & Ramanauskaitė, A. et al. (2025). [Key Predictors of Adherence to a Mobile Health App for Managing Chronic Spontaneous Urticaria](#). *Clinical and Translational Allergy*, 15(11), Article e70110. 4.0
20. Bukova-Žideļūna, A., Strukcinskiene, B., & Villeruša, A. (2026). [Fall-related deaths and acute healthcare utilisation in the last year of life among older adults in Latvia](#). *Scientific Reports*, 16(1), Article 9303. 3.9
21. Glāzere, I., Roddate, M., Žukova, V., & Kurjāne, N. et al. (2026). [Plasma neurofilament light chain is associated with clinical instability in chronic autoimmune neuropathies](#). *Scientific Reports*, 16(1), Article 9324. 3.9
22. Hansen, M. T., Husted, K., Modvig, J. L., & Lange, K. K. et al. (2025). [VO₂peak estimation in people with overweight and obesity before and after a 14-week lifestyle intervention](#). *International Journal of Obesity*, 49(5), 864-871. 3.8
23. Frandsen, J., Aaroe, M., Sehestedt, T., & Sahl, R. E. et al. (2025). [Cardiac Effects of Prolonged Endurance Exercise in Young and Older Athletes](#). *Scandinavian Journal of Medicine and Science in Sports*, 35(7), Article e70104. 3.8
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25. Grīviņš, M. (2025). [The Laissez-Faire Peasant. Post-Socialist Rural Development in Serbia](#). *Sociologia Ruralis*, 65(3), Article e70004. 3.7
26. Ivanovs, A., Rybtsov, S., Nnadi, N., & Fayon, A. et al. (2025). [CD43, but not CD41 or GPI-80, marks first definitive haematopoietic stem cells in the human embryo](#). *Development (Cambridge)*, 152(22), Article dev205108. 3.6

27. Hansen, P., Nygaard, H., Schultz, M., & Dela, F. et al. (2025). [Frailty is associated with a history of falls among mobility-limited older adults—cross-sectional multivariate analysis from the BIOFRAIL study](#). *European Geriatric Medicine*, 16(4), 1283-1293. 3.6
28. Sinulingga, A. R., & Zemkova, E. (2025). [Maximal isometric and eccentric hamstring strength is influenced by body mass and additional load: Does the critical point at which peak knee flexor force is achieved play a role?](#) *Frontiers in Physiology*, 16, 1-9. 3.4
29. Ganebnaya, A., Svede, A., Kucika, A., & Berkova, J. et al. (2025). [Application of a New Device for Saccadic Training in Athletes](#). *Life*, 15(6), 1-21. 3.4
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32. Mauer, N., Hernandez-Quevedo, C., Eriksen, A., & Scarpetti, G. et al. (2025). [Health care coverage and access for displaced persons from Ukraine: Assessing the implementation of the Temporary Protection Directive across EU Member States](#). *Health Policy*, 161, Article 105434. 3.4
33. Ndayishimiye, C., Tambor, M., Behmane, D., & Dimova, A. et al. (2025). [Health care provider payment schemes and their changes since 2010 across nine Central and Eastern European countries-a comparative analysis](#). *Health Policy*, 153, Article 105261. 3.4
34. Kroneman, M., Fermin, A., Rechel, B., & Allin, S. et al. (2025). [Initiatives to increase childhood vaccination coverage: an international comparison](#). *Health Policy*, 158, Article 105351. 3.4
35. Zirnīs, A. E., Miščuks, A., Golubovska, I., & Kopanceva, V. et al. (2025). [Thermography in Anesthetic Peripheral Nerve Blocks When Using Different Local Anesthetics](#). *Diagnostics*, 15(21), Article 2743. 3.3
36. Finogejevs, A., Jumtiņš, A., Moritis, E. T., & Isajevs, S. (2025). [The Value of Histopathological and Clinical Characteristics for the Assessment of the Prognosis and the Efficacy of Dynamic Anterior Stabilization Surgical Treatment for Shoulder Instability](#). *Diagnostics*, 15(24), Article 3203. 3.3
37. Kavadella, A., Uribe, S. E., Da Silva, M. A. D., & Schwendicke, F. et al. (2026). [Dental students' knowledge, perceptions, and educational needs regarding artificial intelligence: a multinational cross-sectional survey](#). *BMC Medical Education*, 26(1), Article 401. 3.2
38. Tebben, J., Wiebalck, B., & Schmidt, H. (2025). [Observational quality control study: insourcing multi-PCR-impact on the use of anti-infectives for patients with pleocytosis](#). *Neurological Research and Practice*, 7(1), Article 42. 3.2
39. Ievina, L., Della Bella, E., Mičko, L., & Šalma, I. et al. (2026). [Material-dependent effects of injectable platelet rich-fibrin on growth factor release, inflammation, and osteoclast activity: an in vitro study](#). *BMC Oral Health*, 26(1), Article 270. 3.1
40. Beltrán, V., López, L., Acuña-Mardones, P., & Silva, R. et al. (2025). [A teledentistry care model for older populations in remote settings in Chile using satellite communication technology](#). *Frontiers in Oral Health*, 6, Article 1699401. 3.1

41. Smirnova, D., Steina, E., Klibus, M., & Prozorovskis, E. et al. (2025). [Case Report: VV-ECMO as a bridge to recovery from ACE inhibitor induced post-obstructive negative pressure pulmonary edema](#). *Frontiers in Medicine*, 12, Article 1483405. 3.0
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43. Ozola, L., & Pilmane, M. (2025). [Characterization of Factors Associated with Tissue Immunity, Cellular Activity and Angiogenesis in Children with Unilateral Cleft Lip and Palate Before and During Primary Dentition: A Comparative Cross-Sectional Study](#). *Journal of Clinical Medicine*, 14(14), Article 4952. 2.9
44. Vītola, B., Caunite, L., Trušinskis, K., & Mintale, I. et al. (2025). [From Intracoronary Physiology to Endotype-Based Treatment: Quality of Life Improvement for INOCA Patients](#). *Journal of clinical medicine*, 14(20), Article 7192. 2.9
45. Konopecka, V., Blumbergs, M., Vilks, I., & Seglina, G. et al. (2026). [Sinonasal Mucosal Epithelioid Melanoma with Rapid Skull-Base and Orbital Progression](#). *Journal of clinical medicine*, 15(5), Article 2068. 2.9
46. Sokolovs-Karijs, O., Briviba, M., Gudrā, D., & Saksis, R. et al. (2026). [The Clinical Role of the Adenoid Microbiome in the Development of Adenoid Hypertrophy and Otitis Media with Effusion](#). *Journal of Clinical Medicine*, 15(6), Article 2187. 2.9
47. Langhoff, R., Vajda, Z., & Odrowąż-Pieniążek, P. et al. (2025). [30-Day Outcomes of Real-World Elective Carotid Stenosis Treatment Using a Dual-Layer Micromesh Stent \(ROADSAVER Study\)](#). *CardioVascular and Interventional Radiology*, 48(4), 427-437. 2.9
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49. Hansen, S. K., Hansen, P., Berry, T. W., & Grønbaek, H. D. et al. (2025). [Effects of neuromuscular electrical stimulation on voluntary muscle activation and peripheral muscle contractility following short-term bed rest](#). *Experimental Physiology*, 110(12), 1966-1977. 2.8
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52. Hansen, M., Lange, K. K., Stausholm, M. B., & Dela, F. (2025). [Are Individuals With Type 2 Diabetes Metabolically Inflexible? A Systematic Review and Meta-Analysis](#). *Endocrinology, Diabetes and Metabolism*, 8(3), Article e70044. 2.6
53. Kudinska, M., Solovjova, I., & Korde, Ž. (2025). [Research trends in the field of sport impact on the economy: a bibliometric analysis](#). *Frontiers in Sports and Active Living*, 7, Article 1545264. 2.6
54. Krūmiņa, A., Zeltiņa, I., Vikmane, L. M., & Reinis, A. et al. (2026). [Epidemiology, Virulence Factors, and Antibacterial Resistance of *Klebsiella* spp. The Known Unknowns](#). *Medicina (Kaunas)*, 62(3), Article 546. 2.4

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56. Maļina, L., Ķīvīte-Urtāne, A., & Bukova-Žideļūna, A. (2026). [Social Well-Being and Quality of Life Among Older Adults in Latvia—A Country with the Lowest Healthy Life Years in the EU](#). Medicina (Kaunas), 62(4), Article 634. 2.4
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