

# Romuald BÈ©dziÅ,,ski

## List of Publications by Year in descending order

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30  
papers

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citations

933447

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839539

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g-index

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all docs

30  
docs citations

30  
times ranked

442  
citing authors

#	ARTICLE	IF	CITATIONS
1	Characteristics of Nerve Roots Mechanical Properties Exposed to Uniaxial Stretching Tests. Lecture Notes in Networks and Systems, 2022, , 123-131.	0.7	0
2	Evaluation of Selected Properties of Sodium Alginate-Based Hydrogel Material – Mechanical Strength, FTIR Analysis and Degradation. Materials, 2022, 15, 1225.	2.9	9
3	Histological and morphometric evaluation of the urethra and penis in male New Zealand White rabbits. Journal of Veterinary Medicine Series C: Anatomia Histologia Embryologia, 2021, 50, 136-143.	0.7	6
4	Determination of Stent Load Conditions in New Zealand White Rabbit Urethra. Journal of Functional Biomaterials, 2020, 11, 70.	4.4	7
5	Novel design of sodium alginate based absorbable stent for the use in urethral stricture disease. Journal of Materials Research and Technology, 2020, 9, 9004-9015.	5.8	13
6	Analysis of the Degradation Process of Alginate-Based Hydrogels in Artificial Urine for Use as a Bioresorbable Material in the Treatment of Urethral Injuries. Processes, 2020, 8, 304.	2.8	33
7	Investigation of Helmet-Head Interaction in the Aspect of Craniocerebral Tissue Protection. Advances in Intelligent Systems and Computing, 2020, , 308-315.	0.6	3
8	Prediction of the Segmental Pelvic Ring Fractures Under Impact Loadings During Car Crash. Advances in Intelligent Systems and Computing, 2019, , 138-149.	0.6	4
9	Material and Structural Modeling Aspects of Brain Tissue Deformation under Dynamic Loads. Materials, 2019, 12, 271.	2.9	40
10	Pelvic vertical shear fractures: The damping properties of ligaments depending on the velocity of vertical impact load. AIP Conference Proceedings, 2019, , .	0.4	3
11	Risk of injury in lumbar spine during explosion of low-mass charge under vehicle. AIP Conference Proceedings, 2019, , .	0.4	2
12	Protection capabilities of the ankle joint against the consequences of impact load. AIP Conference Proceedings, 2019, , .	0.4	2
13	Accessory genital glands in the New Zealand White rabbit: a morphometrical and histological study. Journal of Veterinary Research (Poland), 2019, 63, 251-257.	1.0	10
14	Analysis of the Lower Limb Model Response Under Impact Load. Advances in Intelligent Systems and Computing, 2019, , 150-162.	0.6	1
15	The influence of osteoporotic bone structures of the pelvic-hip complex on stress distribution under impact load. Acta of Bioengineering and Biomechanics, 2018, 20, 29-38.	0.4	7
16	The mechanical properties of human dentin for 3-D finite element modeling – numerical and analytical evaluation. Advances in Clinical and Experimental Medicine, 2017, 26, 645-653.	1.4	9
17	Numerical Analysis of the Risk of Neck Injuries Caused By IED Explosion under the Vehicle in Military Environments. Acta Mechanica Et Automatica, 2016, 10, 258-264.	0.6	8
18	An analysis of the effect of impact loading on the destruction of vascular structures in the brain. Acta of Bioengineering and Biomechanics, 2016, 18, 21-31.	0.4	2

#	ARTICLE	IF	CITATIONS
19	Experimental and constitutive modeling approaches for a study of biomechanical properties of human coronary arteries. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2015, 50, 1-12.	3.1	24
20	Biomechanical characteristics of the jump down of healthy subjects and patients with knee injuries. <i>Acta of Bioengineering and Biomechanics</i> , 2015, 17, 111-20.	0.4	3
21	Mechanical properties and dynamics of degradation of polylactide matrix composites with calcium and sodium alginate fibers. <i>Journal of Composite Materials</i> , 2014, 48, 815-824.	2.4	3
22	Biomechanical characteristics of the porcine denticulate ligament in different vertebral levels of the cervical spine—Preliminary results of an experimental study. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2014, 34, 165-170.	3.1	17
23	Mechanical, rheological, fatigue, and degradation behavior of PLLA, PGLA and PDGLA as materials for vascular implants. <i>Meccanica</i> , 2013, 48, 721-731.	2.0	33
24	New specific metal-silica biocomposites for medical implants. <i>Bioinspired, Biomimetic and Nanobiomaterials</i> , 2013, 2, 84-92.	0.9	6
25	The investigation of the lower limb geometry using 3D sonography and magnetic resonance. <i>Measurement: Journal of the International Measurement Confederation</i> , 2012, 45, 702-710.	5.0	10
26	Biomechanical effect of rapid mucoperiosteal palatal tissue expansion with the use of osmotic expanders. <i>Journal of Biomechanics</i> , 2011, 44, 1313-1320.	2.1	13
27	Comparative analysis of the deformation characteristics of biodegradable polymers considered as a material for vascular stents. <i>Polimery</i> , 2011, 56, 224.	0.7	4
28	The effect of substrate roughness on the surface structure of TiO(2), SiO(2), and doped thin films prepared by the sol-gel method. <i>Acta of Bioengineering and Biomechanics</i> , 2009, 11, 21-9.	0.4	14
29	Improving surgical precision—application of navigation system in orthopedic surgery. <i>Acta of Bioengineering and Biomechanics</i> , 2008, 10, 55-62.	0.4	8
30	Outer annulus tears have less effect than endplate fracture on stress distributions inside intervertebral discs: Relevance to disc degeneration. <i>Clinical Biomechanics</i> , 2006, 21, 1013-1019.	1.2	51