

## Ohlasy / Citations, reviews

Institute: SAVMAMES - Ústav materiálov a mechaniky strojov SAV  
Date of citation, review: 2015~2020

### Citations, reviews

Citations in Web of Science Core Collection (1.1, 2.1)	3214
Citations in SCOPUS (1.2, 2.2)	597
Citations in other citation indexes and databases (not listed above) (3.2, 4.2)	2
Other citations (not listed above) (3.1, 4.1)	161
Reviews (5, 6)	0
<b>Count</b>	<b>3974</b>

### AAA Scientific monographs published abroad

AAA01 BÍLÝ, Matěj - ČAČKO, Jozef - KLIMAN, Vladimír. *Cyclic deformation and fatigue of metals*. Editor Matěj Bílý. Vyd. 1. Amsterdam : Elsevier, 1993. S.372. ISBN 0-444-98790-8

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2. [1.1] GHOLAMI, M. - VESELY, J. - ALTENBERGER, I. - KUHN, H.A. - WOLLMANN, M. - JANECEK, M. - WAGNER, L. Influence of grain size and precipitation hardening on high cycle fatigue performance of CuNiSi alloys. In MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING. ISSN 0921-5093, 2017, vol. 684, no., pp. 524-533., Registrované v: WOS

3. [1.1] GUO, Song - HE, Yuming - TIAN, Maohuan - LIU, Dabiao - LI, Zhenkun - LEI, Jian - HAN, Shihao. Size effect in cyclic torsion of micron-scale polycrystalline copper wires. In MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING. ISSN 0921-5093, 2020, vol. 792, no., pp. Dostupné na: <https://doi.org/10.1016/j.msea.2020.139671>., Registrované v: WOS

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5. [1.2] ANTIPIN, D. Ya - RACIN, D. Yu - SHOROKHOV, S. G. Justification of a Rational Design of the Pivot Center of the Open-top Wagon

Frame by means of Computer Simulation. In *Procedia Engineering*, 2016-01-01, 150, pp. 150-154., Registrované v: SCOPUS

AAA02      GUZ, A.N. - MARKUŠ, Štefan - PŮST, Ladislav. *Dinamika tel, vzaimodejstvujúšich so sredoj*. Kyjev : Naukova Dumka, 1991. ISBN 5-12-001296-5

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1. [1.1]      KARNAUKHOV, V. G. - KIRICHOK, I. F. - KOZLOV, V. I. THERMOMECHANICS OF INELASTIC THIN-WALLED STRUCTURAL MEMBERS WITH PIEZOELECTRIC SENSORS AND ACTUATORS UNDER HARMONIC LOADING (REVIEW). In *INTERNATIONAL APPLIED MECHANICS*. ISSN 1063-7095, 2017, vol. 53, no. 1, pp. 6-58., Registrované v: WOS
2. [1.1]      KARNAUKHOV, V. G. - KOZLOV, V. I. - KARNAUKHOV, T. V. Influence of Anisotropy and Transverse-Shear Strains on the Performance of Piezoelectric Sensors and Actuators. In *INTERNATIONAL APPLIED MECHANICS*. ISSN 1063-7095, 2018, vol. 54, no. 3, pp. 331-338., Registrované v: WOS
3. [1.1]      KARNAUKHOV, V. G. - KOZLOV, V. I. - KARNAUKHOVA, T. V. Critical Electric Load on a Hinged Thermoviscoelastic Rectangular Plate with Piezoelectric Sensors and Actuators\*. In *INTERNATIONAL APPLIED MECHANICS*. ISSN 1063-7095, 2019, vol. 55, no. 6, pp. 596-600., Registrované v: WOS
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AAA03      MATEJKA, Dušan - BENKO, Bernard. *Plasma spraying of metallic and ceramic materials*. Chichester : John Wiley and Sons, 1989. 280 s.

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metallic substrates. In INTERNATIONAL JOURNAL OF SURFACE SCIENCE AND ENGINEERING. ISSN 1749-785X, 2015, vol. 9, no. 1, pp. 81-95., Registrované v: WOS

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14. [1.2] DEARNLEY, P. A. Introduction to Surface Engineering. In Introduction to Surface Engineering, 2017-01-16, pp. 1-510., Registrované v:

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15. [1.2] KASORN, Thanasan - PROMBANPONG, Suksan. A reduction of interior peel off defect in a robot spray coating process. In Materials Science Forum. ISSN 02555476, 2018-01-01, 911 MSF, pp. 8-12., Registrované v:

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16. [1.2] KOUHI, M. - KHIABAN, A. R. Sotoudeh - SOBHANIAN, S. The effect of the material and distance of the substrate on the characteristics of the alumina nanopowder coating with plasma spray method. In Iranian Journal of Physics Research. ISSN 16826957, 2018-06-01, 18, 2, pp. 342-348.,

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17. [3.1] Oukach, S., Hamdi, H., El Ganaoui, M. and Pateyron, B., Thermo-Mechanical Simulation of Residual Stresses in Plasma Sprayed Coatings. Applied Journal of Environmental Engineering Science, 4(2 (sv)), pp.4-2. ISSN 2509-2065.

## AAB Scientific monographs published in Slovak publishing houses

AAB01 ČELKO, Ján - DECKÝ, Martin - ĎURČANSKÁ, Daniela - GAVULOVÁ, Andrea - VALUCH, Milan - MÚČKA, Peter. Povrchové vlastnosti vozoviek - Prevádzková spôsobilosť vozoviek. In *Povrchové vlastnosti vozoviek : Prevádzková spoľahlivosť vozoviek*. - Žilina : Žilinská univerzita, 2000. ISBN 80-7100-774-9.

Ohlasy:

1. [2.2] FROLOVA, O. - SALAIOVA, B. Road surface characteristics on experimental road section with crumb rubber additive and connection with road traffic noise. In Advances and Trends in Engineering Sciences and Technologies II Proceedings of the 2nd International Conference on Engineering Sciences and Technologies, ESaT 2016, 2017-01-01, pp. 747-752., Registrované v: SCOPUS

2. [3.1] SLABEJ, M. – PODOLKA, L. – GRINČA, M. - MUSÍLEK, J. - ČEJKA, J. - VONDRÁČKOVÁ, T. Advanced Progressive Road Network Diagnostics Method Used to Monitor Changes in the Quality of the Pavement Surface, In *PROCEDIA EARTH AND PLANETARY SCIENCE*, Vol. 15, 2015, pp. 19–24, doi: 10.1016/j.proeps.2015.08.006

3. [4.1] HOLEŠA, L. Vplyv vybraných parametrov cestnej komunikácie na hospodárnosť a prevádzku motorového vozidla, In *SVET DOPRAVY*. [online], ISSN 1338-9629, Dostupné na internete: <http://www.svetdopravy.sk/vplyv-vybranych-parametrov-cestnej-komunikacie-na-hospodarnost-a-prevadzku-motoroveho-vozidla-2/>

AAB02 ČOREJ, Ján - DECKÝ, Martin - KOMAČKA, Jozef - SCHLOSSER, František - REMIŠOVÁ, Eva - VALUCH, Milan - GAVULOVÁ, Andrea - MÚČKA, Peter. Dynamické zaťaženie vozovky od účinkov vozidiel. In *Mechanika vozoviek : Navrhovanie vozoviek a spevnených plôch*. - Žilina : Žilinská univerzita/EDIS, 2001, s.37-42. ISBN 80-7100-862-1.

Ohlasy:

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AAB03      MARKUŠ, Štefan. *The mechanics of vibrations of cylindrical shells*. Bratislava : Veda SAV, 1988. 176 s.

Ohlasy:

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2. [1.1]      ASGHAR, Sehar - KHADIMALLAH, Mohamed Amine - NAEEM, Muhammad N. - GHAMKHAR, Madiha - KHEDHER, Khaled Mohamed - HUSSAIN, Muzamal - BOUZGARROU, Souhail Mohamed - ALI, Zainab - IQBAL, Zafar - MAHMOUD, S. R. - ALGARNI, Ali - TAJ, Muhammad - TOUNSI, Abdelouahed. Small scale computational vibration of double-walled CNTs: Estimation of nonlocal shell model. In ADVANCES IN CONCRETE CONSTRUCTION. ISSN 2287-5301, 2020, vol. 10, no. 4, pp. 345-355. Dostupné na: <https://doi.org/10.12989/acc.2020.10.4.345>., Registrované v: WOS
3. [1.1]      ATRI, H. R. - SHOJAEI, S. Free Vibration Analysis of Thin-Shell Structures Using Finite Element Based on Isogeometric Approach. In IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY-TRANSACTIONS OF CIVIL ENGINEERING. ISSN 2228-6160, 2016, vol. 40, no. 2, pp. 85-96., Registrované v: WOS
4. [1.1]      BLOORIYAN, S. - ANSARI, R. - DARVIZEH, A. - GHOLAMI, R. - ROUHI, H. Pre- and post-buckling analysis of FG cylindrical nanoshells in thermal environment considering the surface stress effect. In MATERIALS RESEARCH EXPRESS. ISSN 2053-1591, 2019, vol. 6, no. 9, pp., Registrované v: WOS
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6. [1.1]      BUDAK, V. D. - GRIGORENKO, A. Ya. - BORISENKO, M. Yu. - BOICHUK, E. V. NATURAL FREQUENCIES AND MODES OF NONCIRCULAR CYLINDRICAL SHELLS WITH VARIABLE THICKNESS. In INTERNATIONAL APPLIED MECHANICS. ISSN 1063-7095, 2017, vol. 53, no. 2, pp. 164-172., Registrované v: WOS
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12. [1.1] GRIGORENKO, A. Ya. - BORISENKO, M. Yu. - BOICHUK, E. V. - PRIGODA, A. P. Numerical Determination of Natural Frequencies and Modes of the Vibrations of a Thick-Walled Cylindrical Shell. In INTERNATIONAL APPLIED MECHANICS. ISSN 1063-7095, 2018, vol. 54, no. 1, pp. 75-84., Registrované v: WOS
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15. [1.1] HUSSAIN, Muzammal - NAEEM, M. Nawaz - SHAHZAD, Aamir - HE, Mao-Gang - HABIB, Siddra. Vibrations of rotating cylindrical shells with functionally graded material using wave propagation approach. In PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART C-JOURNAL OF MECHANICAL ENGINEERING SCIENCE. ISSN 0954-4062, 2018, vol. 232, no. 23, pp. 4342-4356., Registrované v: WOS
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19. [1.1] MARTINS, Andre Dias - SILVESTRE, Nuno. Modal analysis of the post-buckling behaviour of cylindrical steel panels under compression: Imperfection sensitivity and local(2) interaction. In THIN-WALLED STRUCTURES. ISSN 0263-8231, 2019, vol. 144, no., pp., Registrované v: WOS
20. [1.1] MIRAMINI, Seyed Mohammad - OHADI, Abdolreza.

Three-Dimensional Vibration of Fluid-Conveying Laminated Composite Cylindrical Shells with Piezoelectric Layers. In INTERNATIONAL JOURNAL OF STRUCTURAL STABILITY AND DYNAMICS. ISSN 0219-4554, 2019, vol. 19, no. 3, pp., Registrované v: WOS

21. [1.1] NATH, Jayanta Kumar - DAS, Tapaswinee. Static and free vibration analysis of multilayered functionally graded shells and plates using an efficient zigzag theory. In MECHANICS OF ADVANCED MATERIALS AND STRUCTURES. ISSN 1537-6494, 2019, vol. 26, no. 9, pp. 770-788., Registrované v: WOS

22. [1.1] SAFAEI, B. - AHMED, N. A. - FATTAHI, A. M. Free vibration analysis of polyethylene/CNT plates. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2019, vol. 134, no. 6, pp., Registrované v: WOS

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