

## Ohlasy / Citations, reviews

Institute: SAVMER - Ústav merania SAV

Date of citation, review: 2015~2020

### Citations, reviews

Citations in Web of Science Core Collection (1.1, 2.1)	4325
Citations in SCOPUS (1.2, 2.2)	622
Citations in other citation indexes and databases (not listed above) (3.2, 4.2)	5
Other citations (not listed above) (3.1, 4.1)	494
Reviews (5, 6)	0

**Count**

**5446**

### AAA Scientific monographs published abroad

AAA01      CAPEK, Ignác. *Nanocomposite Structures and Dispersions : Second Edition*. Elsevier, 2019. 458 p. Dostupné na: <https://doi.org/10.1016/C2015-0-00616-5>. ISBN 978-0-444-63748-2

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- [1.1]      DE MAYRINCK, C. - VALE DA FONSECA, A.F. - SCHIAVON, M.A. Colloidal perovskite nanocrystals: history, properties and applications. In QUIMICA NOVA. ISSN 0100-4042, 2020, vol. 43, no. 9, p. 1264-1276., Registrované v: WOS
- [1.1]      MARTINEZ-HERNANDEZ, H. - ARTURO MENDOZA-NIETO, J. - PFEIFFER, H. - ORTIZ-LANDEROS, J. - TELLEZ-JURADO, L. Development of novel nano-hydroxyapatite doped with silver as effective catalysts for carbon monoxide oxidation. In CHEMICAL ENGINEERING JOURNAL. ISSN 1385-8947, 2020, vol. 401., Registrované v: WOS
- [1.1]      THANGAVELU, S.A.G. - MUKHERJEE, M. - KANNAN, L. - CHELIKE, D.K. - SULTHANA, Y.R. - RAMAN, R.K. - ALAGUMALAI, A. - VAIRAMUTHU, M. - MANDAL, A.B. Biodegradable polyurethanes foam and foam fullerenes nanocomposite strips by one-shot moulding: Physicochemical and mechanical properties. In MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING. ISSN 1369-8001, 2020, vol. 112., Registrované v: WOS

AAA02      CAPEK, Ignác. *Noble Metal Nanoparticles : Preparation, Composite Nanostructures, Biodecoration and Collective Properties*. Springer, 2017. xvii, 554 p. Dostupné na: [https://doi.org/10.1007/978-4-431-56556-7\\_2](https://doi.org/10.1007/978-4-431-56556-7_2). ISBN 978-4-431-56554-3

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2. [1.1] BAZAN-DIAZ, Lourdes - MENDOZA-CRUZ, Ruben - VELAZQUEZ-SALAZAR, J. Jesus - PLASCENCIA-VILLA, German - MIGUEL ASCENCIO-AGUIRRE, Francisco - JOAZET OJEDA-GALVAN, H. - HERRERA-BECERRA, Raul - GUIBBIERS, Gregory - JOSE-YACAMAN, Miguel. Synthesis and Properties of the Self-Assembly of Gold-Copper Nanoparticles into Nanoribbons. In LANGMUIR. ISSN 0743-7463, 2018, vol. 34, no. 32, pp. 9394-9401., Registrované v: WOS
3. [1.1] CAMPISI, S. - BEEVERS, C. - NASRALLAH, A. - CATLOW, C.R.A. - CHAN-THAW, C.E. - MANZOLI, M. - DIMITRATOS, N. - WILLOCK, D.J. - ROLDAN, A. - VILLA, A. DFT-Assisted Spectroscopic Studies on the Coordination of Small Ligands to Palladium: From Isolated Ions to Nanoparticles. In JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, 2020, vol. 124, no. 8, p. 4781-4790., Registrované v: WOS
4. [1.1] COSTA, Jefferson S. - ZAMAN, Quaid - DA COSTA, Karlo Q. - DMITRIEV, Victor - PANDOLI, Omar - FONTES, Giselle - DEL ROSSO, Tommaso. Limits of the Effective Medium Theory in Particle Amplified Surface Plasmon Resonance Spectroscopy Biosensors. In SENSORS. ISSN 1424-8220, 2019, vol. 19, no. 3., Registrované v: WOS
5. [1.1] DZHARDIMALIEVA, Gulzhian I. - UFLYAND, Igor E. Preparation of metal-polymer nanocomposites by chemical reduction of metal ions: functions of polymer matrices. In JOURNAL OF POLYMER RESEARCH. ISSN 1022-9760, 2018, vol. 25, no. 12., Registrované v: WOS
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7. [1.1] JOSE, Linta Maria - KURIAKOSE, Sunny. Photochemical Studies and Photoinduced Antibacterial Properties of Silver Nanoparticle-Encapsulated Biomacromolecule Bovine Serum Albumin Functionalised with Photoresponsive Chromophoric System 2-[(E)-(3-Hydroxynaphthalen-2-yl) diazenyl] Benzoic Acid. In MACROMOLECULAR RESEARCH. ISSN 1598-5032, 2019, vol. 27, no. 1, pp. 73-82., Registrované v: WOS
8. [1.1] KELLER, D. - HENNINEN, T.R. - ERNI, R. Atomic mechanisms of gold nanoparticle growth in ionic liquids studied by in situ scanning transmission electron microscopy. In NANOSCALE. ISSN 2040-3364, 2020, vol. 12, no. 44, p. 22511-22517., Registrované v: WOS
9. [1.1] LOMELI-MARROQUIN, Diana - CRUZ, David Medina - NIETO-ARGUELLO, Alfonso - CRUA, Ada Vernet - CHEN, Junjiang - TORRES-CASTRO, Alejandro - WEBSTER, Thomas J. - CHOLULA-DIAZ, Jorge L. Starch-mediated synthesis of mono- and bimetallic silver/gold nanoparticles as antimicrobial and anticancer agents. In INTERNATIONAL JOURNAL OF NANOMEDICINE. ISSN 1178-2013, 2019, vol. 14, pp. 2171-2189., Registrované v: WOS
10. [1.1] LUI, Gregory - JIANG, Gaopeng - FOWLER, Michael - YU, Aiping - CHEN, Zhongwei. A high performance wastewater-fed

- flow-photocatalytic fuel cell. In JOURNAL OF POWER SOURCES. ISSN 0378-7753, 2019, vol. 425, no., pp. 69-75., Registrované v: WOS
11. [1.1] MIKHAILOVA, Mariya E. - SENCHUKOVA, Anna S. - LEZOV, Alexey A. - GUBAREV, Alexander S. - TRUETZSCHLER, Anne-K. - SCHUBERT, Ulrich S. - TSVETKOV, Nikolay V. Stabilization of Silver Nanoparticles by Cationic Aminoethyl Methacrylate Copolymers in Aqueous Media-Effects of Component Ratios and Molar Masses of Copolymers. In POLYMERS, 2019, vol. 11, no. 10., Registrované v: WOS
12. [1.1] MUKOUYAMA, Yoshiharu - FUKUDA, Yoshitaka - OKADA, Hiroki - SAITO, Makoto - NISHIMURA, Takashi. Fabrication of Uniformly Sized Gold Nanoparticles on Glassy Carbon by Simple Electrochemical Method. In JOURNAL OF THE ELECTROCHEMICAL SOCIETY. ISSN 0013-4651, 2019, vol. 166, no. 13, pp. D669-D675., Registrované v: WOS
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16. [1.1] RUEDA-GENSINI, L. - CIFUENTES, J. - CASTELLANOS, M.C. - PUENTES, P.R. - SERNA, J.A. - MUNOZ-CAMARGO, C. - CRUZ, J.C. Tailoring Iron Oxide Nanoparticles for Efficient Cellular Internalization and Endosomal Escape. In NANOMATERIALS, 2020, vol. 10, no. 9., Registrované v: WOS
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19. [1.1] ZAMAN, Quaid - SOUZA, Jefferson - PANDOLI, Omar - COSTA, Karlo Q. - DMITRIEV, Victor - FULVIO, Daniele - CREMONA, Marco - AUCELIO, Ricardo Q. - FONTES, Giselle - DEL ROSSO, Tommaso. Two-color surface plasmon resonance nanosizer for gold nanoparticles. In OPTICS EXPRESS. ISSN 1094-4087, 2019, vol. 27, no. 3, pp. 3200-3216., Registrované v: WOS

20. [1.2] ABDUL RAZACK, S. - DURAIARASAN, S. A way to create a sustainable environment: Green nanotechnology with an emphasis on noble metals. In THE ELSI HANDBOOK OF NANOTECHNOLOGY: RISK, SAFETY, ELSI AND COMMERCIALIZATION, 2020, p. 359-425., Registrované v: SCOPUS
21. [1.2] ELHOUSSAINE, O. - ABDELAZIZ, E. - HICHAM, M. - ABDENBI, B. Plasmonic Nanorods investigating for cancer cell imaging and photothermal therapy. In 2020 1ST INTERNATIONAL CONFERENCE ON INNOVATIVE RESEARCH IN APPLIED SCIENCE, ENGINEERING AND TECHNOLOGY, IRASET 2020, 2020., Registrované v: SCOPUS
22. [1.2] HUSSAIN, C.M. The ELSI handbook of nanotechnology: Risk, safety, ELSI and commercialization. Wiley, 2020, ISBN 978-111959299-0., Registrované v: SCOPUS
23. [1.2] MAHESHWARI, Rahul - JOSHI, Garima - MISHRA, Dinesh K. - TEKADE, Rakesh K. Bionanotechnology in pharmaceutical research. In BASIC FUNDAMENTALS OF DRUG DELIVERY, 2018, pp. 449-471., Registrované v: SCOPUS
24. [1.2] PUTRI, D.A. - SUTRIYO, S. - SAPUTRI, F.C. Cellular uptake study and cytotoxicity study of resveratrol-gold-peg-folate (RSVAU-PEG-FA) nanoparticles on hela human cervical cancer cell line. In INTERNATIONAL JOURNAL OF APPLIED PHARMACEUTICS. ISSN 0975-7058, 2020, vol. 12, no. 4, p. 113-118., Registrované v: SCOPUS
25. [1.2] SIROTINA, D. Yu - PAVLOVA, E. I. - BRAGIN, V. I. - BELOUSOVA, N. V. Investigating the process of paraformaldehyde reduction of palladium. In TSVETNYE METALLY. ISSN 0372-2929, 2019, vol. 9, pp. 27-31., Registrované v: SCOPUS

### **AAB Scientific monographs published in Slovak publishing houses**

AAB01 KUBÁČEK, L. - KUBÁČKOVÁ, L. - VOLAUFOVÁ, Júlia. *Statistical Models with Linear Structures*. Bratislava : Veda, 1995. 471 s.

Ohlasy:

1. [1.1] JETENSKY, P. - MAREK, J. - RAK, J. Fingers segmentation and its approximation. In 2015 25TH INTERNATIONAL CONFERENCE RADIOELEKTRONIKA (RADIOELEKTRONIKA). 2015, p. 431-434., Registrované v: WOS
2. [1.1] MAREK, J. - RAJMON, R. - HALOUN, T. Critical Evaluation of Seven Lactation Curve Estimation Models. In INTELLIGENT DATA ANALYSIS AND APPLICATIONS. ISSN 2194-5357, 2015, vol. 370, p. 73-84., Registrované v: WOS
3. [1.1] STRANSKA, P.K. - NAVRATIL, M. - HECKENBERGEROVA, J. Automatic Detection of Buying or Selling Signal Using Head and Shoulders Chart Pattern with Neckline. In 33RD INTERNATIONAL CONFERENCE MATHEMATICAL METHODS IN ECONOMICS (MME 2015). 2015, p. 383-388., Registrované v: WOS
4. [1.2] MAREK, Jaroslav - NEDVĚDOVÁ, Marie. Uncertainty in two-stage measurement: Explanation using simulation studies. In 30th European Modeling and Simulation Symposium, EMSS 2018, 2018, pp. 336-342., Registrované v: SCOPUS
5. [1.2] MAREK, J. - RAK, J. - JETENSKY, P. Statistical solution of 3D transformation problem. In 23RD INTERNATIONAL CONFERENCE IN

CENTRAL EUROPE ON COMPUTER GRAPHICS, VISUALIZATION AND  
COMPUTER VISION, WSCG 2015, p. 85-89., Registrované v: SCOPUS

- AAB02      RUBLÍK, František. *Neparametrické metódy* [Nonparametric Methods].  
Bratislava : Vydavateľstvo VEDA, 2011. 709 s. ISBN 978-80-224-1187-5  
Ohlasy:  
1. [1.1]            KASCAKOVA, A. - NEDELOVA, G. - KUBISOVA, L. Silver  
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MATHEMATICS AND STATISTICS IN ECONOMICS. ISSN 2453-9902,  
2016, p. 171-180., Registrované v: WOS  
2. [1.2]            KADLEČÍKOVÁ, M. - FILO, M. - KAPSDORFEROVÁ, Z. -  
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and economic results of agricultural enterprises operating in the Slovak Republic.  
In ACTA UNIVERSITATIS AGRICULTURAE ET SILVICULTURAE  
MENDELIANAE BRUNENSIS. ISSN 1211-8516, 2015, vol. 63, no. 5, p.  
1679-1686., Registrované v: SCOPUS
- AAB03      WIMMER, Gejza - PALENČÁR, R. - WITKOVSKÝ, Viktor. *Spracovanie a  
vyhodnocovanie meraní* [Elaboration and Processing Measurement]. 1. vyd.  
Bratislava : Veda, 2002. 189 s. ISBN 80-224-0734-8  
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Analysis in a time series of milk-yield production. In 34TH INTERNATIONAL  
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2. [1.1]            KUBACEK, V. Multivariate EIV models. In MATHEMATICA  
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- AAB04      WIMMER, Gejza - PALENČÁR, R. - WITKOVSKÝ, Viktor. *Stochastické  
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80-968449-2-X  
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1. [1.2]            KRIŽAN, P. THE DENSIFICATION PROCESS OF WOOD  
WASTE, De Gruyter Open, 2015, 170 p., Registrované v: SCOPUS  
2. [2.1]            KELEMENOVA, Tatiana - DOVICA, Miroslav - KELEMEN,  
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Possibilities of indirectly measured variables in the extraction and processing of  
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- AAB05      WIMMER, Gejza - PALENČÁR, R. - WITKOVSKÝ, Viktor - ĎURIŠ, S.  
*Vyhodnotenie kalibrácie meradiel : Štatistické metódy pre analýzu neistôt v  
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for the analysis of uncertainties in metrology]. Recenzenti: L. Kubáček, M. Terek,  
M. Dovica. Bratislava : Nakladateľstvo STU, 2015. xviii, 173 s. ISBN  
978-80-227-4374-7

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### **ABC Chapters in scientific monographs published abroad**

ABC01 ACCARDO, A. - STROLKA, Igor - TOFFANIN, R. - VITTUR, F. Medical imaging analysis of the three dimensional (3D) architecture of trabecular bone: techniques and their applications. In *Medical Imaging Systems Technology : Methods in General Anatomy*. - World Scientific Publishing Company, 2005, p. 1-42. Dostupné na: [https://doi.org/10.1142/9789812701060\\_0001](https://doi.org/10.1142/9789812701060_0001)

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- [1.1] VOLTOINI, Marco - TAS, Neslihan - WANG, Shi - BRODIE, Eoin L. - AJO-FRANKLIN, Jonathan B. Quantitative characterization of soil micro-aggregates: New opportunities from sub-micron resolution synchrotron X-ray microtomography. In GEODERMA. ISSN 0016-7061, 2017, vol. 305, no., pp. 382-393., Registrované v: WOS
- [1.1] WOJDA, S.J. - GRIDLEY, R.A. - MCGEE-LAWRENCE, M.E. - DRUMMER, T.D. - HESS, A. - KOHL, F. - BARNES, B.M. - DONAHUE, S.W. Arctic Ground Squirrels Limit Bone Loss during the Prolonged Physical Inactivity Associated with Hibernation. In PHYSIOLOGICAL AND BIOCHEMICAL ZOOLOGY. ISSN 1522-2152, JAN-FEB 2016, vol. 89, no. 1, p. 72-80., Registrované v: WOS

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- [1.1] WITKOVSKY, V. - WIMMER, G. - DURIS, S. On Statistical Methods for Common Mean and Reference Confidence Intervals in Interlaboratory Comparisons for Temperature. In INTERNATIONAL JOURNAL OF THERMOPHYSICS. ISSN 0195-928X, AUG 2015, vol. 36, no. 8, SI, p. 2150-2171., Registrované v: WOS

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- [1.1] LOZANOV, V. V. - PROKIP, V. E. - SHAYAPOV, V. R. - BEREZIN, A. S. - BAKLANOVA, N. I. Photoluminescence properties of zirconium and hafnium germanates obtained through different chemical routes. In CERAMICS INTERNATIONAL. ISSN 0272-8842, 2018, vol. 44, no. 15, pp. 19049-19053., Registrované v: WOS
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3. [1.1] URAKAEV, F.K. - BULAVCHENKO, A.I. - URALBEKOV, B.M. - MASSALIMOV, I.A. - TATYKAYEV, B.B. - BOLATOV, A.K. - DZHARLYKASIMOVA, D.N. - BURKITBAYEV, M.M. Mechanochemical synthesis of colloidal sulfur particles in the Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub>-H-2(C<sub>4</sub>H<sub>4</sub>O<sub>4</sub>)-Na<sub>2</sub>SO<sub>3</sub> system. In COLLOID JOURNAL. ISSN 1061-933X, MAR 2016, vol. 78, no. 2, p. 210-219., Registrované v: WOS

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1. [1.1] MALLAKPOUR, S. - KHADEM, E. Carbon nanotube-metal oxide nanocomposites: Fabrication, properties and applications. In CHEMICAL ENGINEERING JOURNAL. ISSN 1385-8947, OCT 15 2016, vol. 302, p. 344-367., Registrované v: WOS

2. [1.1] SABIHA, M.A. - MOSTAFIZUR, R.M. - SAIDUR, R. - MEKHILEF, S. Experimental investigation on thermo physical properties of single walled carbon nanotube nanofluids. In INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER. ISSN 0017-9310, FEB 2016, vol. 93, p. 862-871., Registrované v: WOS

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5. [1.1] XU, D. - SEERY, T.A.P. - GAO, Y. - DING, L. - ZHOU, C. - WANG, Z. - JIANG, Z. - ZHANG, H. A series of novel high-temperature-resistant multiwall carbon nanotubes dispersants: Polyphenylene sulfones with pyrene groups in main chain. In JOURNAL OF APPLIED POLYMER SCIENCE. ISSN 0021-8995, 2020, vol. 137, no. 7., Registrované v: WOS

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