

Publikácie / Publications

Institute: SAVINFO - Ústav informatiky SAV
Year of publication 2016~2021

Statistics publication category

AAA	Scientific monographs published abroad	2
ABA	Monographic studies in journals and proceedings published abroad	2
ABC	Chapters in scientific monographs published abroad	1
ADCA	Scientific papers in foreign journals registered in Current Contents Connect with IF (impacted)	47
ADDA	Scientific papers in domestic journals registered in Current Contents Connect with IF (impacted)	19
ADEB	Scientific papers in other foreign journals not registered in Current Contents Connect without IF (non-impacted)	8
ADFB	Scientific papers in other domestic journals not registered in Current Contents Connect without IF (non-impacted)	6
ADMA	Scientific papers in foreign impacted journals registered in Web of Sciences or Scopus	3
ADMB	Scientific papers in foreign non-impacted journals registered in Web of Sciences or Scopus	175
ADNA	Scientific papers in domestic impacted journals registered in Web of Sciences or Scopus	2
ADNB	Scientific papers in domestic non-impacted journals registered in Web of Sciences or Scopus	19
AECA	Scientific papers in foreign peer-reviewed proceedings and shorter chapters in foreign scientific monographs or academic/university textbooks	5
AFB	Published invited papers from domestic scientific conferences	1
AFC	Published papers from foreign scientific conferences	15
AFD	Published papers from domestic scientific conferences	11
AFE	Abstracts of invited papers from foreign conferences	1
AFG	Abstracts of papers from foreign conferences	7
AFH	Abstracts of papers from domestic conferences	1
AFL	Domestic conferences posters	1
AGJ	Patent applications, utility model applications, design applications, trademark applications, applications for granting supplementary protection certificate, applications for registration of topographies of semiconductor products, designations of origin applications, geographical indications of goods and products applications, breeder's certificate applications	2
BBB	Chapters in professional books published in Slovak publishing houses	1
BDF	Professional papers in other domestic journals (not registered in CCC)	4
BEE	Professional papers in foreign proceedings	4

	(conference/non-conference; peer-reviewed/non-peer-reviewed)	
DAI	Dissertations and habilitation theses	3
GHG	Works published on the internet	13
GII	Other publications and documents which is not possible to categorize into classes/categories mentioned above	14
Count		367

AAA Scientific monographs published abroad

- AAA01 BENUŠ, Štefan**. *Investigating Spoken English : A Practical Guide to Phonetics and Phonology Using Praat*. Cham : Palgrave Macmillan, 2021. XVII, 272 p. Dostupné na: <https://doi.org/10.1007/978-3-030-54349-5>. ISBN 978-3-030-54348-8
- AAA02 BRITANÁK, Vladimír - RAO, K.R. *Cosine-/sine-modulated filter banks : general properties, fast algorithms and integer approximations*. 1st ed. Cham, Switzerland : Springer International Publishing AG, 2018. xxvi, 645 p. Dostupné na: <https://doi.org/10.1007/978-3-319-61080-1>. ISBN 978-3-319-61078-8

ABA Monographic studies in journals and proceedings published abroad

- ABA01 BENUŠ, Štefan - ŠIMKO, Juraj. Stability and variability in Slovak prosodic boundaries. In *PHONETICA*, 2016, vol. 73, no. 3-4, p. 163-193. (2015: 0.458 - IF, Q3 - JCR, 0.451 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 0031-8388. Dostupné na: <https://doi.org/10.1159/000446350>
- ABA02 MALÍK, Peter** - KRIŠTOFÍK, Štefan. AI architectures for very smart sensors. In *Convergence of Artificial Intelligence and the Internet of Things*. - Cham, Switzerland : Springer Nature, 2020, p. 391-439. ISBN 978-3-030-44906-3. ISSN 2199-1073. Dostupné na: https://doi.org/10.1007/978-3-030-44907-0_16

ABC Chapters in scientific monographs published abroad

- ABC01 ČAPKOVIČ, František. Petri net-based synthesis of agent cooperation by means of modularity and supervision principles. Georgi M. Dimirovski (editor). In *Studies in Systems, Decision and Control : Complex Systems*. - Springer Nature, 2016, vol. 55, chapter 20, p. 429-450. ISBN 978-3-319-28858-1. ISSN 2198-4182. Dostupné na: https://doi.org/10.1007/978-3-319-28860-4_20

ADCA Scientific papers in foreign journals registered in Current Contents Connect with IF (impacted)

- ADCA01 BAČÁKOVÁ, Markéta* - PAJOROVÁ, Júlia* - BROŽ, Antonín - HADRABA, Daniel - LOPOT, František - ZAVADÁKOVÁ, Anna - VIŠTEJNOVÁ, Lucie - BEŇO, Milan - KOSTIČ, Ivan - JENČOVÁ, Věra - BAČÁKOVÁ, Lucie. A two-layer skin construct consisting of a collagen hydrogel reinforced by a fibrin-coated polylactide nanofibrous membrane. In *International Journal of Nanomedicine*, 2019, vol. 14, p. 5033-5050. (2018: 4.471 - IF, Q1 - JCR, 1.098 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 1176-9114. Dostupné na: <https://doi.org/10.2147/IJN.S200782>

- ADCA02 BRUSCO, Pablo** - VIDAL, Jazmín - BENŮŠ, Štefan - GRAVANO, Agustín. A cross-linguistic analysis of the temporal dynamics of turn-taking cues using machine learning as a descriptive tool. In *Speech Communication*, 2020, vol. 125, p. 24-40. (2019: 1.417 - IF, Q3 - JCR, 0.554 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 0167-6393. Dostupné na: <https://doi.org/10.1016/j.specom.2020.09.004>
- ADCA03 BUNDZEL, Marek - KASANICKÝ, Tomáš - PINČÁK, Richard. Using string invariants for prediction searching for optimal parameters. In *Physica A - Statistical Mechanics and its Applications*, 2016, vol. 444, p. 680-688. (2015: 1.785 - IF, Q2 - JCR, 0.677 - SJR, Q2 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 0378-4371. Dostupné na: <https://doi.org/10.1016/j.physa.2015.10.050>
- ADCA04 DIETZEL, Dirk - BRNDIAR, Ján - ŠTICH, Ivan - SCHIRMEISEN, André. Limitations of structural superlubricity: chemical bonds versus contact size. In *ACS Nano*, 2017, vol. 11, no. 8, p. 7642-7647. (2016: 13.942 - IF, Q1 - JCR, 6.948 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 1936-0851. Dostupné na: <https://doi.org/10.1021/acsnano.7b02240>
- ADCA05 FRANK, Tobias - DERIAN, René - TOKÁR, Kamil - MITAS, Luboš - FABIAN, Jaroslav** - ŠTICH, Ivan**. Many-body quantum Monte Carlo study of 2D materials: cohesion and band gap in single-layer phosphorene. In *Physical Review X*, 2019, vol. 9, no. 1, 011018. (2018: 12.211 - IF, Q1 - JCR, 6.497 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 2160-3308. Dostupné na: <https://doi.org/10.1103/PhysRevX.9.011018>
- ADCA06 GÁLVEZ, Ramiro H.** - GRAVANO, Agustín - BENŮŠ, Štefan - LEVITAN, Rivka - TRNKA, Marián - HIRSCHBERG, Julia. An empirical study of the effect of acoustic-prosodic entrainment on the perceived trustworthiness of conversational avatars. In *Speech Communication*, 2020, vol. 124, p. 46-67. (2019: 1.417 - IF, Q3 - JCR, 0.554 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 0167-6393. Dostupné na: <https://doi.org/10.1016/j.specom.2020.07.007>
- ADCA07 HASSANKHANI DOLATABADI, Sepideh** - BUDINSKÁ, Ivana. Systematic literature review predictive maintenance solutions for SMEs from the last decade. In *Machines*, 2021, vol. 9, no. 9, art. no. 191. (2020: 2.428 - IF, Q2 - JCR, 0.393 - SJR, Q2 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 2075-1702. Dostupné na: <https://doi.org/10.3390/machines9090191>
- ADCA08 HOTOVÝ, I.** - SPIESS, L. - MIKOLÁŠEK, M. - KOSTIČ, Ivan - SOJKOVÁ, Michaela - ROMANUS, H. - HULMAN, Martin - BŮC, D. - ŘEHÁČEK, V. Layered WS2 thin films prepared by sulfurization of sputtered W films. In *Applied Surface Science*, 2021, vol. 544, no. 148719. (2020: 6.707 - IF, Q1 - JCR, 1.295 - SJR, Q1 - SJR, Current Contents - CCC). (2021 - Current Contents, WOS, SCOPUS). ISSN 0169-4332. Dostupné na: <https://doi.org/10.1016/j.apsusc.2020.148719>
- ADCA09 HOTOVÝ, I.** - SPIESS, L. - SOJKOVÁ, Michaela - KOSTIČ, Ivan - MIKOLÁŠEK, M. - PREDANOCY, Martin - ROMANUS, H. - HULMAN, Martin -

ŘEHÁČEK, V. Structural and optical properties of WS₂ prepared using sulfurization of different thick sputtered tungsten films. In *Applied Surface Science*, 2018, vol. 461, p. 133-138. (2017: 4.439 - IF, Q1 - JCR, 1.093 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 0169-4332. Dostupné na: <https://doi.org/10.1016/j.apsusc.2018.05.209>

ADCA10 HOTOVÝ, I.** - SPIESS, L. - MIKOLÁŠEK, M. - KOSTIČ, Ivan - ROMANUS, H. Structural and morphological evaluation of layered WS₂ thin films. In *Vacuum*, 2020, vol. 179, art. no. 109570. (2019: 2.906 - IF, Q2 - JCR, 0.673 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 0042-207X. Dostupné na: <https://doi.org/10.1016/j.vacuum.2020.109570>

ADCA11 HRONEC, P. - PUDIŠ, D. - ŠKRINIAROVÁ, J. - KOVÁČ, Jaroslav - ANDOK, Robert. Lithographic technologies suitable for PhC patterning and optical properties of patterned LED surfaces. In *Optik*, 2017, vol. 143, p. 35-41. (2016: 0.835 - IF, Q4 - JCR, 0.301 - SJR, Q2 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 0030-4026. Dostupné na: <https://doi.org/10.1016/j.ijleo.2017.06.045>

ADCA12 JANČÁRIK, V.** - HARTÁNSKÝ, René - SLÍŽIK, J. - MIERKA, Martin - HALGOŠ, Ján - HALLON, Jozef - HRICKO, Jaroslav. Autonomous sensor of electromagnetic field. In *Review of Scientific Instruments*, 2019, vol. 90, no. 6, art. no. 64705. (2018: 1.587 - IF, Q3 - JCR, 0.659 - SJR, Q2 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 0034-6748. Dostupné na: <https://doi.org/10.1063/1.5090185>

ADCA13 KACHMAN, Ondrej** - BALÁŽ, Marcel - MALÍK, Peter. Universal framework for remote firmware updates of low-power devices. In *Computer Communications*, 2019, vol. 139, p. 91-102. (2018: 2.766 - IF, Q2 - JCR, 0.500 - SJR, Q2 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 0140-3664. Dostupné na: <https://doi.org/10.1016/j.comcom.2019.03.014>

ADCA14 KENYERES, Martin** - KENYERES, Jozef. Average consensus over mobile wireless sensor networks: weight matrix guaranteeing convergence without reconfiguration of edge weights. In *Sensors*, 2020, vol. 20, no. 13, art. no. 3677. (2019: 3.275 - IF, Q1 - JCR, 0.653 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 1424-8220. Dostupné na: <https://doi.org/10.3390/s20133677>

ADCA15 KENYERES, Martin** - KENYERES, Jozef. Distributed mechanism for detecting average consensus with maximum-degree weights in bipartite regular graphs. In *Mathematics*, 2021, vol. 9, no. 23, art. no. 3020. (2020: 2.258 - IF, Q1 - JCR, 0.495 - SJR, Q2 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 2227-7390. Dostupné na: <https://doi.org/10.3390/math9233020>

ADCA16 KLARÁK, Jaromír** - KURIC, Ivan - ZAJAČKO, Ivan - BULEJ, Vladimír - TLACH, Vladimír - JÓZWIK, Jerzy. Analysis of laser sensors and camera vision in the shoe position inspection system. In *Sensors*, 2021, vol. 21, no. 22, art. no. 7531. (2020: 3.576 - IF, Q1 - JCR, 0.636 - SJR, Q2 - SJR, Current Contents - CCC). (2021

- Current Contents). ISSN 1424-8220. Dostupné na:
<https://doi.org/10.3390/s21227531>

- ADCA17 KOVANIČ, Ľudovít** - AMBRIŠKO, Ľubomír - MARASOVÁ, Daniela - BLIŠŤAN, P. - KASANICKÝ, Tomáš - CEHLÁR, Michal. Long-exposure RGB photography with a fixed stand for the measurement of a trajectory of a dynamic impact device in real scale. In *Sensors*, 2021, vol. 21, no. 20, art. no. 6818. (2020: 3.576 - IF, Q1 - JCR, 0.636 - SJR, Q2 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 1424-8220. Dostupné na:
<https://doi.org/10.3390/s21206818>
- ADCA18 KRIŠTOFÍK, Štefan** - MALÍK, Peter. Enhancement of fault collection for embedded RAM redundancy analysis considering intersection and orphan faults. In *Integration : the VLSI Journal*, 2018, vol. 62, p. 190-204. (2017: 0.906 - IF, Q4 - JCR, 0.223 - SJR, Q3 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 0167-9260. Dostupné na: <https://doi.org/10.1016/j.vlsi.2018.02.015>
- ADCA19 KRIŠTOFÍK, Štefan** - BALÁŽ, Marcel - MALÍK, Peter. Hardware redundancy architecture based on reconfigurable logic blocks with persistent high reliability improvement. In *Microelectronics reliability*, 2018, vol. 86, p. 38-53. (2017: 1.236 - IF, Q3 - JCR, 0.388 - SJR, Q2 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 0026-2714. Dostupné na:
<https://doi.org/10.1016/j.microrel.2018.04.010>
- ADCA20 LÓPEZ GARCÍA, Álvaro** - MARCO DE LUCAS, Jesús - ANTONACCI, Marica - ZU CASTELL, Wolfgang - DAVID, Mario - HARDT, Marcus - LLORET, Lara - MOLTÓ, Germán - PLOCIENNIK, Marcin - TRAN, Viet - ALIC, Andy S. - CABALLER, Miguel - CAMPOS, Isabel - COSTANTINI, Alessandro - DLUGOLINSKÝ, Štefan - DUMA, Cristina - DONVITO, Giacinto - GOMES, Jorge - HEREDIA, Ignacio - ITO, Keiichi - KOZLOV, Valentin - NGUYEN, Giang - ORVIZ, Pablo - ŠUSTR, Zdeněk - WOLNIEWICZ, Paweł. A cloud-based framework for machine learning workloads and applications. In *IEEE Access*, 2020, vol. 8, no. 1, p. 18681-18692. (2019: 3.745 - IF, Q1 - JCR, 0.775 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 2169-3536. Dostupné na:
<https://doi.org/10.1109/ACCESS.2020.2964386>
- ADCA21 MARTON, Marián** - RITOMSKÝ, Mário - ŘEHÁČEK, V. - MICHNIAK, P. - BEHÚL, Miroslav - NOVÁK, Patrik - VANČO, L. - VOJS, M. Comparison of Al and Cu masks used for patterning boron-doped diamonds in oxygen plasma. In *Journal of Micromechanics and Microengineering*, 2019, vol. 29, no. 12, art. no. 124004, 9 p. (2018: 2.141 - IF, Q2 - JCR, 0.559 - SJR, Q2 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 0960-1317. Dostupné na:
<https://doi.org/10.1088/1361-6439/ab4d6f>
- ADCA22 MARTON, Marián** - RITOMSKÝ, Mário - MICHNIAK, P. - BEHÚL, Miroslav - ŘEHÁČEK, V. - REDHAMMER, R. - VINCZE, A. - PAPULA, Martin - VOJS, M. Study of self-masking nanostructuring of boron doped diamond films by RF plasma etching. In *Vacuum*, 2019, vol. 170, art. no. 108954. (2018: 2.515 - IF, Q2 - JCR, 0.581 - SJR, Q2 - SJR, Current Contents - CCC). (2019 - Current

Contents). ISSN 0042-207X. Dostupné na:
<https://doi.org/10.1016/j.vacuum.2019.108954>

- ADCA23 NAITOH, Yoshitaka - TURANSKÝ, Robert - BRNDIAR, Ján - LI, Yan Jun - ŠTICH, Ivan - SUGAWARA, Yasuhiro. Subatomic-scale force vector mapping above a Ge(001) dimer using bimodal atomic force microscopy. In *Nature Physics*, 2017, vol. 13, no. 7, p. 663-668. (2016: 22.806 - IF, Q1 - JCR, 13.412 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 1745-2473. Dostupné na: <https://doi.org/10.1038/nphys4083>
- ADCA24 NGUYEN, Binh Minh - TRAN, Dang - NGUYEN, Giang. Enhancing service capability with multiple finite capacity server queues in cloud data centers. In *Cluster Computing*, 2016, vol. 19, p. 1747-1767. (2015: 1.514 - IF, Q2 - JCR, 0.473 - SJR, Q2 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 1386-7857. Dostupné na: <https://doi.org/10.1007/s10586-016-0653-y>
- ADCA25 NGUYEN, Binh Minh** - TRAN, Trung - NGUYEN, Thieu - NGUYEN, Giang. Hybridization of galactic swarm and evolution whale optimization for global search problem. In *IEEE Access*, 2020, vol. 8, no. 1, art. no. 9072130, p. 74991-75010. (2019: 3.745 - IF, Q1 - JCR, 0.775 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 2169-3536. Dostupné na: <https://doi.org/10.1109/ACCESS.2020.2988717>
- ADCA26 NGUYEN, Binh Minh** - HOANG, Bao - NGUYEN, Thieu - NGUYEN, Giang. nQSV-Net: a novel queuing search variant for global space search and workload modeling. In *Journal of Ambient Intelligence and Humanized Computing*, 2021, vol. 12, no. 1, p. 27-46. (2020: 7.104 - IF, Q1 - JCR, 0.589 - SJR, Q1 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 1868-5137. Dostupné na: <https://doi.org/10.1007/s12652-020-02849-4>
- ADCA27 NGUYEN, Giang** - NGUYEN, Binh Minh - TRAN, Dang - HLUCHÝ, Ladislav. A heuristics approach to mine behavioural data logs in mobile malware detection system. In *Data & Knowledge Engineering*, 2018, vol. 115, p. 129-151. (2017: 1.467 - IF, Q3 - JCR, 0.490 - SJR, Q2 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 0169-023X. Dostupné na: <https://doi.org/10.1016/j.datak.2018.03.002>
- ADCA28 NGUYEN, Giang** - DLUGOLINSKÝ, Štefan - TRAN, Viet - LÓPEZ GARCÍA, Álvaro. Deep learning for proactive network monitoring and security protection. In *IEEE Access*, 2020, vol. 8, no. 1, art. no. 8966259, p. 19696-19716. (2019: 3.745 - IF, Q1 - JCR, 0.775 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 2169-3536. Dostupné na: <https://doi.org/10.1109/ACCESS.2020.2968718>
- ADCA29 NGUYEN, Giang** - DLUGOLINSKÝ, Štefan - BOBÁK, Martin - TRAN, Viet - LÓPEZ GARCÍA, Álvaro - HEREDIA, Ignacio - MALÍK, Peter - HLUCHÝ, Ladislav. Machine learning and deep learning frameworks and libraries for large-scale data mining: a survey. In *Artificial Intelligence Review*, 2019, vol. 52, no. 1, p. 77-124. (2018: 5.095 - IF, Q1 - JCR, 1.055 - SJR, Q1 - SJR, Current Contents -

CCC). (2019 - Current Contents). ISSN 0269-2821. Dostupné na:
<https://doi.org/10.1007/s10462-018-09679-z>

- ADCA30 NGUYEN, Thieu - NGUYEN, Tu - NGUYEN, Binh Minh** - NGUYEN, Giang. Efficient time-series forecasting using neural network and opposition-based coral reefs optimization. In *International Journal of Computational Intelligence Systems*, 2019, vol. 12, no. 2, p. 1144-1161. (2018: 2.153 - IF, Q3 - JCR, 0.719 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 1875-6883. Dostupné na: <https://doi.org/10.2991/ijcis.d.190930.003>
- ADCA31 PAJOROVÁ, Eva** - HLUCHÝ, Ladislav. Virtual reality of water management in a big town. In *Desalination and Water Treatment*, 2019, vol. 163, p. 1-6. (2018: 1.234 - IF, Q3 - JCR, 0.377 - SJR, Q2 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 1944-3994. Dostupné na:
<https://doi.org/10.5004/dwt.2019.24198>
- ADCA32 RABATIN, Branislav - HLUBINA, R. Superconductivity in systems exhibiting the Altshuler-Aronov anomaly. In *Physical Review B*, 2018, vol. 98, no. 18, art. no. 184519. (2017: 3.813 - IF, Q2 - JCR, 1.176 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na:
<https://doi.org/10.1103/PhysRevB.98.184519>
- ADCA33 REICHEL, Uwe D.** - BENŮŠ, Štefan - MÁDY, Katalin. Entrainment profiles: comparison by gender, role, and feature set. In *Speech Communication*, 2018, vol. 100, p. 46-57. (2017: 1.585 - IF, Q3 - JCR, 0.546 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 0167-6393. Dostupné na:
<https://doi.org/10.1016/j.specom.2018.04.009>
- ADCA34 ŠIMKO, Juraj - BENŮŠ, Štefan - VAINIO, Martti. Hyperarticulation in Lombard speech: Global coordination of the jaw, lips and the tongue. In *Journal of the Acoustical Society of America*, 2016, vol. 139, no. 1, p. 151-162. (2015: 1.572 - IF, Q2 - JCR, 0.854 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 0001-4966. Dostupné na: <https://doi.org/10.1121/1.4939495>
- ADCA35 ŠKRINIAROVÁ, J.** - SUSLIK, L. - ANDOK, Robert - PUDIŠ, D. - SCHAAF, P. - WANG, Dong. Effect of a thin Au and ZnO layer on optical properties of 1D PhC structures patterned in LED surface. In *Optik : International Journal for Light and Electron Optics*, 2019, vol. 199, art. no. 163333. (2018: 1.914 - IF, Q3 - JCR, 0.404 - SJR, Q2 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 0030-4026. Dostupné na:
<https://doi.org/10.1016/j.ijleo.2019.163333>
- ADCA36 ŠKRINIAROVÁ, J. - PUDIŠ, D. - ANDOK, Robert - LETTRICHOVÁ, I. - UHEREK, F. Investigation of the AZ 5214E photoresist by the laser interference, EBDW and NSOM lithographies. In *Applied Surface Science*, 2017, vol. 395, p. 226-231. (2016: 3.387 - IF, Q1 - JCR, 0.958 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 0169-4332. Dostupné na:
<https://doi.org/10.1016/j.apsusc.2016.06.141>

- ADCA37 ŠKRINIAROVÁ, J.** - HRONEC, P. - CHLPÍK, J. - LAURENČÍKOVÁ, Agáta - KOVÁČ, Jaroslav Jr. - NOVÁK, Jozef - ANDOK, Robert. Investigation of volume fraction of GaP nanowires by SEM characterization and spectroscopic ellipsometry. In *Optik : International Journal for Light and Electron Optics*, 2021, vol. 234, no. 166572. (2020: 2.443 - IF, Q2 - JCR, 0.482 - SJR, Q2 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 0030-4026. Dostupné na: <https://doi.org/10.1016/j.ijleo.2021.166572>
- ADCA38 TOKÁR, Kamil - BRNDIAR, Ján - ŠTICH, Ivan**. Raman Activity of Multilayer Phosphorene under Strain. In *ACS Omega*, 2019, vol. 4, no. 27, p. 22418-22425. (2018: 2.584 - IF, Q2 - JCR, 0.754 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 2470-1343. Dostupné na: <https://doi.org/10.1021/acsomega.9b02969>
- ADCA39 TOKÁR, Kamil - DERIAN, René - BRNDIAR, Ján - ŠTICH, Ivan. Strain control of vibrational properties of few layer phosphorene. In *Journal of Applied Physics*, 2016, vol. 120, no. 19, 194305. (2015: 2.101 - IF, Q2 - JCR, 0.821 - SJR, Q2 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 0021-8979. Dostupné na: <https://doi.org/10.1063/1.4968009>
- ADCA40 TRNKA, Marián** - DARJAA, Sakhia - RITOMSKÝ, Marian - SABO, Róbert - RUSKO, Milan** - SCHAPER, Meilin - STELKENS-KOBSCHE, Tim. Mapping discrete emotions in the dimensional space: an acoustic approach. In *Electronics*, 2021, vol. 10, no. 23, art. no. 2950. (2020: 2.397 - IF, Q3 - JCR, 0.360 - SJR, Q2 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 2079-9292. Dostupné na: <https://doi.org/10.3390/electronics10232950>
- ADCA41 TURANSKÝ, Robert - BRNDIAR, Ján - PERSHIN, A. - GALI, Á.** - SUGIMOTO, H. - FUJII, M. - ŠTICH, Ivan**. Structure and properties of heavily B and P codoped amorphous silicon quantum dots. In *Journal of Physical Chemistry C*, 2021, vol. 125, p. 23267-23274. (2020: 4.126 - IF, Q2 - JCR, 1.401 - SJR, Q1 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 1932-7447. Dostupné na: <https://doi.org/10.1021/acs.jpcc.1c06527>
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