

## Publikácie / Publications

Institute: SAVSTAV - Ústav stavebníctva a architektúry SAV  
Year of publication 2016~2021

### Statistics publication category

AAA	Scientific monographs published abroad	1
AAB	Scientific monographs published in Slovak publishing houses	2
ABC	Chapters in scientific monographs published abroad	4
ADCA	Scientific papers in foreign journals registered in Current Contents Connect with IF (impacted)	163
ADCB	Scientific papers in foreign journals registered in Current Contents Connect without IF (non-impacted)	1
ADDA	Scientific papers in domestic journals registered in Current Contents Connect with IF (impacted)	2
ADDB	Scientific papers in domestic journals registered in Current Contents Connect without IF (non-impacted)	6
ADEB	Scientific papers in other foreign journals not registered in Current Contents Connect without IF (non-impacted)	16
ADFB	Scientific papers in other domestic journals not registered in Current Contents Connect without IF (non-impacted)	8
ADMA	Scientific papers in foreign impacted journals registered in Web of Sciences or Scopus	10
ADMB	Scientific papers in foreign non-impacted journals registered in Web of Sciences or Scopus	67
ADNB	Scientific papers in domestic non-impacted journals registered in Web of Sciences or Scopus	2
AECA	Scientific papers in foreign peer-reviewed proceedings and shorter chapters in foreign scientific monographs or academic/university textbooks	6
AEDA	Scientific papers in domestic peer-reviewed proceedings and shorter chapters in domestic scientific monographs or academic/university textbooks	3
AFA	Published invited papers from foreign scientific conferences	2
AFC	Published papers from foreign scientific conferences	55
AFD	Published papers from domestic scientific conferences	20
AFE	Abstracts of invited papers from foreign conferences	4
AFG	Abstracts of papers from foreign conferences	22
AFH	Abstracts of papers from domestic conferences	3
AFK	Foreign conferences posters	1
AFL	Domestic conferences posters	1
AGI	Reports on solved scientific and research tasks	3
BCI	University course materials and instructional texts	1
BDA	Entries in professional terminological dictionaries and encyclopedias published in foreign publishing houses	1
BDE	Professional papers in other foreign journals (not registered in	7

	CCC)	
BDF	Professional papers in other domestic journals (not registered in CCC)	4
BEE	Professional papers in foreign proceedings (conference/non-conference; peer-reviewed/non-peer-reviewed)	6
BEF	Professional papers in domestic proceedings (conference/non-conference; peer-reviewed/non-peer-reviewed)	5
BGG	Norms and standards	1
CIB	Exhibition booklet (less than 8 pages) published in Slovakia	1
CKB	Exhibition catalogue (more than 1 author's sheet) published in Slovakia	1
DAI	Dissertations and habilitation theses	2
EDI	Reviews in journals and proceedings/collective publications	3
GHG	Works published on the internet	1
GII	Other publications and documents which is not possible to categorize into classes/categories mentioned above	32
<b>Count</b>		<b>467</b>

#### **AAA Scientific monographs published abroad**

AAA01 HRYTSYNA, Olha - KONDRAT, Vasyl. *Local Gradient Theory for Dielectrics : Fundamentals and Applications*. Singapore : Jenny Stanford Publishing, 2020. 330 p. Dostupné na: <https://doi.org/10.1201/9781003006862>. ISBN 978-981-4800-62-4

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

AAB01 BARTOŠOVÁ, Nina - HABERLANDOVÁ, Katarína. *Industriál očami odborníkov/pamätníkov : teória a metodológia ochrany priemyselného dedičstva v kontexte Bratislavy*. Bratislava : STU Bratislava, 2016. 128 s. ISBN 978-80-227-4476-8

AAB02 MORAVČÍKOVÁ, Henrieta - SZALAY, Peter - KRIŠTEKOVÁ, Laura - HABERLANDOVÁ, Katarína - RUTKOWSKI, Roman. *Ročenka Slovenskej architektúry 2014/2015*. Recenzenti M. Dulla, P. Lenyi, P. Paňák, M. Topolčanská. Bratislava : Slovart, 2016. 168 s. ISBN 978-80-5562-389-4

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

ABC01 HRYTSYNA, Olha. Kontynuaľno-termodynamičnyj pidchid do pobudovy gradientnoho typu modeli bagatokomponentnych vjazkych ridyn = Continuum-thermodynamic approach to the construction of the gradient-type model of multicomponent viscous liquid. In *Matematyčne modeljuvannja nerivnovážnych procesiv u skladnych systemach*. - Lviv : Rastr-7, 2019, p. 59-81. ISBN 978-617-7726-67-7.

ABC02 MORAVČÍKOVÁ, Henrieta. Co na EXPO nebylo : Československý architektonický technicismus v kontextu svetové výstavy v Montrealu. In NEKVINDOVÁ, Terezie et al. *Automat na výstavu : československý pavilon na*

*Expo 67 v Montrealu.* - Galerie výtvarného umění v Chebu : Akademie výtvarných umění v Praze, 2017, s. 118-135. ISBN 978-80-87395-31-8.

ABC03 MORAVČÍKOVÁ, Henrieta. Emancipated but still accompanied : the first generation of women architects in Slovakia. In *Ideological Equals: Women Architects in Socialist Europe 1945-1989*. - Oxford : Taylor and Francis, 2017, p. 48-62. ISBN 978-1-315-58777-6. Dostupné na: <https://doi.org/10.4324/9781315587776>

ABC04 WÜNSCHE, Michael - ZHANG, Chuanzeng - SLÁDEK, Ján - SLÁDEK, Vladimír. Numerical analysis of interface cracks in layered piezoelectric solids. In *Recent Trends in Fracture and Damage Mechanics*. - Springer, 2016, p. 283-299. ISBN 978-3-319-21466-5.

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

ADCA01 AUBÉ, Martin - KOCIFAJ, Miroslav - ZAMORANO, J. - SOLANO LAMPHAR, H. A. - SANCHEZ DE MIGUEL, A. The spectral amplification effect of clouds to the night sky radiance in Madrid. In *Journal of Quantitative Spectroscopy & Radiative Transfer*, 2016, vol. 181, p. 11-23. (2015: 2.859 - IF, Q1 - JCR, 1.156 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 0022-4073. Dostupné na: <https://doi.org/10.1016/j.jqsrt.2016.01.032>

ADCA02 BARENTINE, John C.\*\* - KUNDRACIK, F. - KOCIFAJ, Miroslav - SANDERS, Jessie C. - ESQUERDO, Gilbert A. - DALTON, Adam M. - FOOTT, Bettymaya - GRAUER, Albert - TUCKER, Scott - KYBA, Christopher C. M. Recovering the city street lighting fraction from skyglow measurements in a large-scale municipal dimming experiment. In *Journal of Quantitative Spectroscopy & Radiative Transfer*, 2020, vol. 253, art. no. 107120. (2019: 3.047 - IF, Q1 - JCR, 0.888 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents, WOS, SCOPUS). ISSN 0022-4073. Dostupné na: <https://doi.org/10.1016/j.jqsrt.2020.107120>

ADCA03 BARENTINE, John C.\*\* - WALKER, Constance E. - KOCIFAJ, Miroslav - KUNDRACIK, F. - JUAN, Amy - KANEMOTO, John - MONRAD, Christian K. Skyglow changes over Tucson, Arizona, resulting from a municipal LED street lighting conversion. In *Journal of Quantitative Spectroscopy & Radiative Transfer*, 2018, vol. 212, p. 10-23. (2017: 2.600 - IF, Q2 - JCR, 0.779 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 0022-4073. Dostupné na: <https://doi.org/10.1016/j.jqsrt.2018.02.038>

ADCA04 BISHAY, P.L. - SLÁDEK, Ján - SLÁDEK, Vladimír - GAO, X.W. Analysis of Elastic Media with Voids Using a Mixed-Collocation Finite-Element Method. In *Journal of Engineering Mechanics*, 2017, vol. 143, iss. 4, p. 16119-16119. (2016: 1.764 - IF, Q2 - JCR, 0.682 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 0733-9399. Dostupné na: [https://doi.org/10.1061/\(ASCE\)EM.1943-7889.0001193](https://doi.org/10.1061/(ASCE)EM.1943-7889.0001193)

ADCA05 BISHAY, P.L. - REPKA, Miroslav - SLÁDEK, Vladimír - SLÁDEK, Ján. On the characterization of porosity-related parameters in micro-dilatation theory. In

*Acta Mechanica*, 2017, vol. 228, iss. 5, p. 1631-1644. (2016: 1.851 - IF, Q2 - JCR, 0.872 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 0001-5970. Dostupné na: <https://doi.org/10.1007/s00707-016-1789-9>

ADCA06 BISHAY, P.L.\*\* - SLÁDEK, Ján - FABRY, Nicholas - SLÁDEK, Vladimír - ZHANG, Chuanzeng. Perturbation finite element solution for chemo-elastic boundary value problems under chemical equilibrium. In *Acta Mechanica Sinica*, 2019, vol. 35, iss. 5, p. 981-991. (2018: 1.598 - IF, Q3 - JCR, 0.574 - SJR, Q2 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 0567-7718. Dostupné na: <https://doi.org/10.1007/s10409-019-00871-0>

ADCA07 BOHÁČ, Martin - PALOU, Martin T. - NOVOTNÝ, Radoslav - MÁŠILKO, Jiří - ŠOUKAL, František - OPRAVIL, Tomáš. Influence of temperature on early hydration of Portland cement-metakaolin-slag system. In *Journal of Thermal Analysis and Calorimetry*, 2017, vol. 127, p. 309-318. (2016: 1.953 - IF, Q2 - JCR, 0.609 - SJR, Q2 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 1388-6150. Dostupné na: <https://doi.org/10.1007/s10973-016-5592-6>

ADCA08 DAMBRAUSKAS, T. - KNABIKAITĖ, I. - EISINAS, A. - BALTAKYS, K. - PALOU, Martin T.. Influence of Cr<sup>3+</sup>, Co<sup>2+</sup> and Cu<sup>2+</sup> on the formation of calcium silicates hydrates under hydrothermal conditions at 200 °C. In *Journal of Asian Ceramic Societies*, 2020, vol. 8, no. 3, p. 753-763. (2019: 2.653 - IF, Q1 - JCR, 0.647 - SJR, Q2 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 2187-0764. Dostupné na: <https://doi.org/10.1080/21870764.2020.1789287>

ADCA09 DARULA, Stanislav - MOHELNÍKOVÁ, Jitka\*\* - KRÁL, Jakub. Daylight in buildings based on tubular light guides. In *Journal of building engineering*, 2021, vol. 44, art. no. 102608. (2020: 5.318 - IF, Q1 - JCR, 0.974 - SJR, Q1 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 2352-7102. Dostupné na: <https://doi.org/10.1016/j.jobbe.2021.102608>

ADCA10 DENG, Qiang\* - SLANÝ, Michal\*\* - ZHANG, Huani - GU, Xuefan - LI, Yongfei - DU, Weichao - CHEN, Gang\*\*. Synthesis of alkyl aliphatic hydrazine and application in crude oil as flow improvers. In *Energies*, 2021, vol. 14, no. 15, p. 4703-1-4703-11. (2020: 3.004 - IF, Q3 - JCR, 0.598 - SJR, Q2 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 1996-1073. Dostupné na: <https://doi.org/10.3390/en14154703>

ADCA11 DOLNIKOVA, E.\*\* - KATUNSKY, D. - DARULA, Stanislav. Assessment of overcast sky daylight conditions in the premises of engineering operations considering two types of skylights. In *Building and Environment*, 2020, vol. 180, art. no. 106976. (2019: 4.971 - IF, Q1 - JCR, 1.871 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 0360-1323. Dostupné na: <https://doi.org/10.1016/j.buildenv.2020.106976>

ADCA12 FABIAN, Miroslav\*\* - UETANI, Y. - DARULA, Stanislav. Monthly luminous efficacy models and illuminance prediction using ground measured and satellite data. In *Solar Energy*, 2018, vol. 162, p. 95-108. (2017: 4.374 - IF, Q1 - JCR, 1.615 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 0038-092X. Dostupné na: <https://doi.org/10.1016/j.solener.2017.12.056>

- ADCA13     HOSSEINI, S. M.\*\* - SLÁDEK, Ján - SLÁDEK, Vladimír. Anisotropic transient thermoelasticity analysis in a two-dimensional decagonal quasicrystal using meshless local Petrov-Galerkin (MLPG) method. In *Applied Mathematical Modelling*, 2019, vol. 66, p. 275-295. (2018: 2.841 - IF, Q1 - JCR, 0.873 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 0307-904X. Dostupné na: <https://doi.org/10.1016/j.apm.2018.09.024>
- ADCA14     HOSSEINI, S. M. - SLÁDEK, Ján - SLÁDEK, Vladimír. Elastodynamic analysis of a hollow cylinder with decagonal quasicrystal properties: Meshless implementation of local integral equations. In *Crystals*, 2016, vol. 6, no. 8, art. no. 94. (2015: 2.075 - IF, Q2 - JCR, 0.567 - SJR, Q2 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 2073-4352. Dostupné na: <https://doi.org/10.3390/cryst6080094>
- ADCA15     HOSSEINI, S. M.\*\* - SLÁDEK, Ján - SLÁDEK, Vladimír. Nonlocal coupled photo-thermoelasticity analysis in a semiconducting micro/nano beam resonator subjected to plasma shock loading: A Green-Naghdi-based analytical solution. In *Applied Mathematical Modelling*, 2020, vol. 88, p. 631-651. (2019: 3.633 - IF, Q1 - JCR, 0.957 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 0307-904X. Dostupné na: <https://doi.org/10.1016/j.apm.2020.06.069>
- ADCA16     HRYTSYNA, Olha. A BERNOULLI–EULER BEAM MODEL BASED ON THE LOCAL GRADIENT THEORY OF ELASTICITY. In *Journal of mechanics of materials and structures*, 2020, vol. 15, no. 4, p. 471-487. (2019: 0.987 - IF, Q4 - JCR, 0.431 - SJR, Q2 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 1559-3959. Dostupné na: <https://doi.org/10.2140/jomms.2020.15.471>
- ADCA17     HRYTSYNA, Olha. Local gradient Bernoulli-Euler beam model for dielectrics: effect of local mass displacement on coupled fields. In *Mathematics and Mechanics of Solids*, 2021, vol. 26, no. 4, p. 498-512. (2020: 2.341 - IF, Q2 - JCR, 0.672 - SJR, Q2 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 1081-2865. Dostupné na: <https://doi.org/10.1177/1081286520963374>
- ADCA18     HRYTSYNA, Olha - KONDRAT, Vasyl. Local gradient theory for thermoelastic dielectrics: Accounting for mass and electric charge transfer due to microstructure changes. In *Journal of mechanics of materials and structures*, 2019, vol. 14, no. 4, p. 549-568. (2018: 1.239 - IF, Q4 - JCR, 0.572 - SJR, Q2 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 1559-3959. Dostupné na: <https://doi.org/10.2140/jomms.2019.14.549>
- ADCA19     HRYTSYNA, Olha - MOROZ, Halyna. Some general theorems for local gradient theory of electrothermoelastic dielectrics. In *Journal of mechanics of materials and structures*, 2019, vol. 14, no. 1, p. 25-41. (2018: 1.239 - IF, Q4 - JCR, 0.572 - SJR, Q2 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 1559-3959. Dostupné na: <https://doi.org/10.2140/jomms.2019.14.25>
- ADCA20     HRYTSYNA, Olha\*\* - SLÁDEK, Ján - SLÁDEK, Vladimír. The Effect of Micro-Inertia and Flexoelectricity on Love Wave Propagation in Layered Piezoelectric Structures. In *Nanomaterials-Basel*, 2021, vol. 11, no. 9, art. no. 2270.

(2020: 5.076 - IF, Q1 - JCR, 0.919 - SJR, Q1 - SJR, Current Contents - CCC). (2021 - Current Contents, WOS, SCOPUS). ISSN 2079-4991. Dostupné na: <https://doi.org/10.3390/nano11092270>

- ADCA21 HSIANG, C. C. - CHOU, C. K. - YOUNG, D. L.\*\* - SLÁDEK, Ján - SLÁDEK, Vladimír. Applying the Method of Characteristics and the Meshless Localized Radial Basis Function Collocation Method to Solve Shallow Water Equations. In *Journal of Engineering Mechanics*, 2018, vol. 144, no. 7, art. no. 04018047. (2017: 1.799 - IF, Q2 - JCR, 0.779 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 0733-9399. Dostupné na: [https://doi.org/10.1061/\(ASCE\)EM.1943-7889.0001460](https://doi.org/10.1061/(ASCE)EM.1943-7889.0001460)
- ADCA22 HUANG, L.W. - TANG, Y. D. - SLÁDEK, Ján - SLÁDEK, Vladimír - WEN, P. H.\*\*. Meshless analysis for cracked shallow shell. In *Engineering Analysis with Boundary Elements*, 2021, vol. 130, p. 145-160. (2020: 2.964 - IF, Q2 - JCR, 0.925 - SJR, Q1 - SJR, Current Contents - CCC). (2021 - Current Contents). ISSN 0955-7997. Dostupné na: <https://doi.org/10.1016/j.enganabound.2021.05.005>
- ADCA23 CHIANG, Y. C. - YOUNG, D. L. - SLÁDEK, Ján - SLÁDEK, Vladimír. Local radial basis function collocation method for bending analyses of quasicrystal plates. In *Applied Mathematical Modelling*, 2017, vol. 50, p. 463-483. (2016: 2.350 - IF, Q1 - JCR, 1.139 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 0307-904X. Dostupné na: <https://doi.org/10.1016/j.apm.2017.05.051>
- ADCA24 JU, Minkwan - JEONG, Jae-Gwon\*\* - PALOU, Martin T. - PARK, Kyoungsoo. Mechanical Behavior of Fine Recycled Concrete Aggregate Concrete with the Mineral Admixtures. In *Materials*, 2020, vol. 13, art. no. 2264. (2019: 3.057 - IF, Q2 - JCR, 0.647 - SJR, Q2 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 1996-1944. Dostupné na: <https://doi.org/10.3390/ma13102264>
- ADCA25 KITTLER, Richard - DARULA, Stanislav. Scattered sunlight determining sky luminance patterns. In *Renewable and Sustainable Energy Reviews*, 2016, vol. 62, p. 575-584. (2015: 6.798 - IF, Q1 - JCR, 2.921 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 1364-0321. Dostupné na: <https://doi.org/10.1016/j.rser.2016.05.012>
- ADCA26 KITTLER, Richard - DARULA, Stanislav\*\*. The Natural Redistribution of Sunlight and Skylight Due to the Atmospheric Turbidity of Cloudless Skies. In *Leukos*, 2018, vol. 14, no. 2, p. 87-93. (2017: 2.576 - IF, Q1 - JCR, 1.628 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 1550-2724. Dostupné na: <https://doi.org/10.1080/15502724.2017.1391704>
- ADCA27 KOCIFAJ, Miroslav. A review of the theoretical and numerical approaches to modeling skylight: Iterative approach to RTE, MSOS, and two-stream approximation. In *Journal of Quantitative Spectroscopy & Radiative Transfer*, 2016, vol. 181, p. 2-10. (2015: 2.859 - IF, Q1 - JCR, 1.156 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 0022-4073. Dostupné na: <https://doi.org/10.1016/j.jqsrt.2015.11.003>

- ADCA28 KOCIFAJ, Miroslav - KÓMAR, Ladislav. A role of aerosol particles in forming urban skyglow and skyglow from distant cities. In *Monthly Notices of the Royal Astronomical Society*, 2016, vol. 458, p. 438-448. (2015: 4.952 - IF, Q1 - JCR, 2.701 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS, NASA ADS). ISSN 0035-8711. Dostupné na: <https://doi.org/10.1093/mnras/stw293>
- ADCA29 KOCIFAJ, Miroslav - BARÁ, Salvador. Aerosol characterization using satellite remote sensing of light pollution sources at night. In *Monthly Notices of the Royal Astronomical Society: Letters*, 2020, vol. 495, p. L76-L80. (2019: 5.357 - IF, Q1 - JCR, 1.964 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents, WOS, SCOPUS, NASA ADS). ISSN 1745-3925. Dostupné na: <https://doi.org/10.1093/mnrasl/slaa060>
- ADCA30 KOCIFAJ, Miroslav\*\* - BARENTINE, John C. Air pollution mitigation can reduce the brightness of the night sky in and near cities. In *Scientific Reports*, 2021, vol. 11, art. no. 14622. (2020: 4.380 - IF, Q1 - JCR, 1.240 - SJR, Q1 - SJR, Current Contents - CCC). (2021 - Current Contents, WOS, SCOPUS). ISSN 2045-2322. Dostupné na: <https://doi.org/10.1038/s41598-021-94241-1>
- ADCA31 KOCIFAJ, Miroslav\*\* - WALLNER, Stefan - SOLANO LAMPHAR, H. A. An asymptotic formula for skyglow modelling over a large territory. In *Monthly Notices of the Royal Astronomical Society*, 2019, vol. 485, iss. 2, p. 2214-2224. (2018: 5.231 - IF, Q1 - JCR, 2.422 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS, NASA ADS). ISSN 0035-8711. Dostupné na: <https://doi.org/10.1093/mnras/stz520>
- ADCA32 KOCIFAJ, Miroslav - SOLANO LAMPHAR, H. A. Angular Emission Function of a City and Skyglow Modeling: A Critical Perspective. In *Publications of the Astronomical Society of the Pacific*, 2016, vol. 128, art. no. 124001. (2015: 4.422 - IF, Q2 - JCR, 2.846 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 0004-6280. Dostupné na: <https://doi.org/10.1088/1538-3873/128/970/124001>
- ADCA33 KOCIFAJ, Miroslav\*\* - KÓMAR, Ladislav - SOLANO LAMPHAR, H. A. - WALLNER, Stefan. Are population-based models advantageous in estimating the lumen outputs from light-pollution sources? In *Monthly Notices of the Royal Astronomical Society: Letters*, 2020, vol. 496, no. 1, p. L138-L141. (2019: 5.357 - IF, Q1 - JCR, 1.964 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents, WOS, SCOPUS, NASA ADS). ISSN 1745-3925. Dostupné na: <https://doi.org/10.1093/mnrasl/slaa100>
- ADCA34 KOCIFAJ, Miroslav. Broadband and luminous extinction coefficients in a clean and dry atmosphere. In *Journal of Quantitative Spectroscopy & Radiative Transfer*, 2016, vol. 173, p. 20-25. (2015: 2.859 - IF, Q1 - JCR, 1.156 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 0022-4073. Dostupné na: <https://doi.org/10.1016/j.jqsrt.2016.01.007>
- ADCA35 KOCIFAJ, Miroslav\*\* - PETRŽALA, Jaromír. Designing of light-pipe diffuser through its computed optical properties: Anovel solution technique and

some consequences. In *Solar Energy*, 2019, vol. 190, p. 386-395. (2018: 4.674 - IF, Q1 - JCR, 1.593 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 0038-092X. Dostupné na: <https://doi.org/10.1016/j.solener.2019.08.046>

- ADCA36 KOCIFAJ, Miroslav\*\* - KUNDRACIK, F. - BILÝ, Ondrej. Emission spectra of light-pollution sources determined from the light-scattering spectrometry of the night sky. In *Monthly Notices of the Royal Astronomical Society*, 2020, vol. 491, iss. 4, p. 5586-5594. (2019: 5.356 - IF, Q1 - JCR, 1.937 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents, WOS, SCOPUS, NASA ADS). ISSN 0035-8711. Dostupné na: <https://doi.org/10.1093/mnras/stz3260>
- ADCA37 KOCIFAJ, Miroslav. Ground albedo impacts on higher-order scattering spectral radiances of night sky. In *Journal of Quantitative Spectroscopy & Radiative Transfer*, 2019, vol. 239, art. no. 106670. (2018: 2.955 - IF, Q1 - JCR, 0.862 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 0022-4073. Dostupné na: <https://doi.org/10.1016/j.jqsrt.2019.106670>
- ADCA38 KOCIFAJ, Miroslav\*\* - VIDEEN, Gorden - KUNDRACIK, F. Charge-controlled optical resonances in small particles: Recent developments, challenges and prospects. In *Journal of Quantitative Spectroscopy & Radiative Transfer*, 2020, vol. 240, art. no. 106703. (2019: 3.047 - IF, Q1 - JCR, 0.888 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents, WOS, SCOPUS). ISSN 0022-4073. Dostupné na: <https://doi.org/10.1016/j.jqsrt.2019.106703>
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