

## Ohlasy / Citations, reviews

Institute: SAVHYDRO - Ústav hydrológie SAV  
Date of citation, review: 2015~2020

### Citations, reviews

Citations in Web of Science Core Collection (1.1, 2.1)	1861
Citations in SCOPUS (1.2, 2.2)	371
Citations in other citation indexes and databases (not listed above) (3.2, 4.2)	0
Other citations (not listed above) (3.1, 4.1)	662
Reviews (5, 6)	0

### Count

2894

### AAA Scientific monographs published abroad

AAA01      NOVÁK, Viliam - HLAVÁČIKOVÁ, Hana. *Applied Soil Hydrology*. Vol. 32.  
Series Title: Theory and Applications of Transport in Porous Media. Cham :  
Springer International Publishing, 2019. 342 p. Dostupné na:  
<https://doi.org/10.1007/978-3-030-01806-1>. ISBN 978-3-030-01806-1

#### Ohlasy:

1. [1.1]      AL-SHUKAILI, A. - AL-MAYAH, A. - AL-MAKTOUMI, A. - KACIMOV, A.R. Unlined trench as a falling head permeameter: Analytic and HYDRUS2D modeling versus sandbox experiment. In JOURNAL OF HYDROLOGY. ISSN 0022-1694, APR 2020, vol. 583., Registrované v: WOS
2. [1.1]      NETHERER, S. - PANASSITI, B. - PENNERSTORFER, J. - MATTHEWS, B. Acute Drought Is an Important Driver of Bark Beetle Infestation in Austrian Norway Spruce Stands. In FRONTIERS IN FORESTS AND GLOBAL CHANGE. JUL 17 2019, vol. 2., Registrované v: WOS
3. [1.1]      SANTOS, R.A. - FLORES-COLEN, I. - SIMOES, N. - SILVESTRE, J.D. Auto-responsive technologies for thermal renovation of opaque facades. In ENERGY AND BUILDINGS. ISSN 0378-7788, JUN 15 2020, vol. 217., Registrované v: WOS
4. [1.1]      ZAFAR, U. - ARSHAD, M. - CHEEMA, M.J.M. - AHMAD, R. SENSOR BASED DRIP IRRIGATION TO ENHANCE CROP YIELD AND WATER PRODUCTIVITY IN SEMI-ARID CLIMATIC REGION OF PAKISTAN. In PAKISTAN JOURNAL OF AGRICULTURAL SCIENCES. ISSN 0552-9034, SEP 2020, vol. 57, no. 5, p. 1293-1301., Registrované v: WOS
5. [1.2]      ABDO, Ahmed I. Changes in sandy soil hydro-physical properties as function of biochar and biogas slurry amendments. In Soil Use and Management. ISSN 02660032, 2020-01-01, pp., Registrované v: SCOPUS
6. [1.2]      ANDRADE SANTOS, Rita - FLORES-COLEN, Inês - SIMÕES, Nuno - SILVESTRE, José D. Auto-responsive technologies for thermal renovation of opaque facades. In Energy and Buildings. ISSN 03787788,

2020-06-15, 217, pp., Registrované v: SCOPUS

7. [1.2] LU, Bingqing - LIU, Xiaoting - DONG, Peiyao - TICK, Geoffrey R. - ZHENG, Chunmiao - ZHANG, Yong - MAHMOOD-UI-HASSAN, Muhammad - BAI, Hongjuan - LAMY, Edvina. Quantifying fate and transport of nitrate in saturated soil systems using fractional derivative model. In *Applied Mathematical Modelling*. ISSN 0307904X, 2020-05-01, 81, pp. 279-295., Registrované v: SCOPUS
8. [1.2] SASIRAT, Pattamit - KHEORUENROMNE, Irb - SUDDHIPRAKARN, Anchalee - ANUSONTORNPERM, Somchai. Influence of Tropical Climate Parameters on Properties of Acid Sulfate Soils for Sustainable Oil Palm Cultivation. In *International Journal of Agronomy*. ISSN 16878159, 2019-01-01, 2019, pp., Registrované v: SCOPUS
9. [1.2] TREZZI, Michelangelo Muzell - TEIXEIRA, Sirlei Dias - DE LIMA, Vanderlei Aparecido - SCALCON, Everton Luiz - PAGNONCELLI JUNIOR, Fortunato de Bortoli - SALOMÃO, Helis Marina. Relationship between the amount and composition of epicuticular wax and tolerance of *Ipomoea* biotypes to glyphosate. In *Journal of Environmental Science and Health Part B Pesticides, Food Contaminants, and Agricultural Wastes*. ISSN 03601234, 2020-01-01, 55, 11, pp. 959-967., Registrované v: SCOPUS
10. [1.2] WEN, Xiaohang - LIU, Chenghan - LUO, Siqiong. Comparative Analysis of Water-Energy Cycle Processes Based on High-Resolution Assimilation Dataset of the Water-Energy Cycle in China Data Over Different Underlying Surfaces in Qinghai-Tibet Plateau. In *Frontiers in Earth Science*, 2020-10-01, 8, pp., Registrované v: SCOPUS

AAA02      NOVÁK, Viliam. *Evapotranspiration in the soil-plant-atmosphere system*. Methods of Evapotranspiration Estimation. Dordrecht : Springer, 2012. 253 s. ISBN 978-94-007-3839-3

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1. [1.1] CORCELLI, F. - RIPA, M. - ULGIATI, S. Efficiency and sustainability indicators for papermaking from virgin pulp An emergy-based case study. In *RESOURCES CONSERVATION AND RECYCLING*. ISSN 0921-3449, 2018, vol. 131, no., pp. 313-328., Registrované v: WOS
2. [1.1] DUNIEC, Grzegorz - MAZUR, Andrzej. Influence of parameterization of soil processes on numerical forecasts of vertical profiles of air potential temperature. In *METEOROLOGICAL APPLICATIONS*. ISSN 1350-4827, 2018, vol. 25, no. 3, pp. 350-356., Registrované v: WOS
3. [1.1] FREDETTE, Chloe - LABRECQUE, Michel - COMEAU, Yves - BRISSON, Jacques. Willows for environmental projects: A literature review of results on evapotranspiration rate and its driving factors across the genus *Salix*. In *JOURNAL OF ENVIRONMENTAL MANAGEMENT*. ISSN 0301-4797, 2019, vol. 246, no., pp. 526-537., Registrované v: WOS
4. [1.1] GERASIMOV, Denis N. - YURIN, Eugeny I. "Liquid-Vapor" Phase Transition. In *KINETICS OF EVAPORATION*. ISSN 0931-5195, 2018, vol. 68, no., pp. 1-30., Registrované v: WOS
5. [1.1] HOWINGTON, Stacy E. - BALLARD, Jerrell R. - KALA, Nagaraju V. - TRAUTZ, Andrew C. - BRAY, Matthew D. - FARTHING, Matthew W. - HINES, Amanda M. Exploitable Synthetic Sensor Imagery from High-fidelity, Physics-based Target and Background Modeling. In *TARGET AND BACKGROUND SIGNATURES V*. ISSN 0277-786X, 2019, vol. 11158,

no., pp., Registrované v: WOS

6. [1.1] KACIMOV, A. R. - OBNOSOV, Yu. V. - SIMUNEK, J. Minimizing Evaporation by Optimal Layering of Topsoil: Revisiting Ovsinsky's Smart Mulching-Tillage Technology Via Gardner-Warrick's Unsaturated Analytical Model and HYDRUS. In WATER RESOURCES RESEARCH. ISSN 0043-1397, 2019, vol. 55, no. 5, pp. 3606-3618., Registrované v: WOS

7. [1.1] KREMER, Klaus N. - PROMIS, Alvaro A. - MANCILLA, Gabriel - MAGNI, Carlos R. Leaf litter and irrigation can increase seed germination and early seedling survival of the recalcitrant-seeded tree *Beilschmiedia miersii*. In AUSTRAL ECOLOGY. ISSN 1442-9985, 2019, vol. 44, no. 1, pp. 86-94., Registrované v: WOS

8. [1.1] POMPEI, C. M. E. - ALVES, E. D. L. - VIEIRA, E. M. - CAMPOS, L. C. Impact of meteorological variables on water quality parameters of a reservoir and ecological filtration system. In INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY. ISSN 1735-1472, 2020, vol. 17, no. 3, pp. 1387-1396., Registrované v: WOS

9. [1.1] ROMAN-FIGUEROA, Celian - HERRERA, Sebastian - CORTEZ, Donna - MANUEL URIBE, Juan - PANEQUE, Manuel. Methodology for the estimation of land suitability for *Atriplex* L. [Amaranthaceae Juss. (s.l.)] cultivation in arid and semi-arid regions. In ARID LAND RESEARCH AND MANAGEMENT. ISSN 1532-4982, 2019, vol. 33, no. 4, pp. 412-426., Registrované v: WOS

10. [1.1] ROMAN-FIGUEROA, Celian - PADILLA, Rodrigo - MANUEL URIBE, Juan - PANEQUE, Manuel. Land Suitability Assessment for *Camelina* (*Camelina sativa* L.) Development in Chile. In SUSTAINABILITY, 2017, vol. 9, no. 1, pp., Registrované v: WOS

11. [1.1] SILVA, L.C.R. - LAMBERS, H. Soil-plant-atmosphere interactions: structure, function, and predictive scaling for climate change mitigation. In PLANT AND SOIL. 2020. ISSN 0032-079X., Registrované v: WOS

12. [1.1] SZATTEN, D. - HABEL, M. Effects of Land Cover Changes on Sediment and Nutrient Balance in the Catchment with Cascade-Dammed Waters. In REMOTE SENSING. OCT 2020, vol. 12, no. 20., Registrované v: WOS

13. [1.1] TONTI, N.E. - GASSMANN, M.I. - PEREZ, C.F. First results of energy and mass exchange in a salt marsh on southeastern South America. In AGRICULTURAL AND FOREST METEOROLOGY. ISSN 0168-1923, DEC 15 2018, vol. 263, p. 59-68., Registrované v: WOS

14. [1.1] TRAUTZ, Andrew C. - ILLANGASEKARE, Tissa H. - RODRIGUEZ-ITURBE, Ignacio - HECK, Katharina - HELMIG, Rainer. Development of an experimental approach to study coupled soil-plant-atmosphere processes using plant analogs. In WATER RESOURCES RESEARCH. ISSN 0043-1397, 2017, vol. 53, no. 4, pp. 3319-3340., Registrované v: WOS

15. [1.1] VAN NATIJNE, Adriaan L. - LINDENBERGH, Roderik C. - BOGAARD, Thom A. Machine Learning: New Potential for Local and Regional Deep-Seated Landslide Nowcasting. In SENSORS, 2020, vol. 20, no. 5, pp., Registrované v: WOS

16. [1.1] VESTE, Maik - LITTMANN, Thomas - KUNNEKE, Anton - DU TOIT, Ben - SEIFERT, Thomas. Windbreaks as part of climate-smart landscapes reduce evapotranspiration in vineyards, Western Cape Province,

- South Africa. In PLANT SOIL AND ENVIRONMENT. ISSN 1214-1178, 2020, vol. 66, no. 3, pp. 119-127., Registrované v: WOS
17. [1.1] WANG, T.T. - STEWART, C.E. - SUN, C.C. - WANG, Y. - ZHENG, J.Y. Effects of biochar addition on evaporation in the five typical Loess Plateau soils. In CATENA. ISSN 0341-8162, MAR 2018, vol. 162, p. 29-39., Registrované v: WOS
18. [1.1] ZERMENIO-GONZALEZ, Alejandro - ISAIN MELENDRES-ALVAREZ, A. - ALBERTO FUERTE-MOSQUEDA, L. - PLUTARCO MUIGUIA-LOPEZ, J. - IBARRA-JIMENEZ, Luis. EVAPOTRANSPIRATION RATE OF A VINEYARD AND ITS RELATION TO THE REFERENCE OF THE FAO PENMAN-MONTEITH METHOD. In AGROCIENCIA. ISSN 1405-3195, 2017, vol. 51, no. 1, pp. 1-12., Registrované v: WOS
19. [1.1] ZHANG, L. - PAN, Z.H. - ZHANG, Y. - MENG, Q.L. Impact of climatic factors on evaporative cooling of porous building materials. In ENERGY AND BUILDINGS. ISSN 0378-7788, AUG 15 2018, vol. 173, p. 601-612., Registrované v: WOS
20. [1.2] AUTOVINO, Dario - MINACAPILLI, Mario - PROVENZANO, Giuseppe. Modelling bulk surface resistance by MODIS data and assessment of MOD16A2 evapotranspiration product in an irrigation district of Southern Italy. In Agricultural Water Management. ISSN 03783774, 2016-03-31, 167, pp. 86-94., Registrované v: SCOPUS
21. [1.2] DUNIEC, Grzegorz - MAZUR, Andrzej. Influence of parameterization of soil processes on meteorological forecasts of vertical profiles. In Ecological Chemistry and Engineering S. ISSN 18986196, 2016-09-01, 23, 3, pp. 493-503., Registrované v: SCOPUS
22. [1.2] JERSZURKI, Daniela - SOUZA, Jorge L.M. - SILVA, Lucas C.R. Expanding the geography of evapotranspiration: An improved method to quantify land-to-air water fluxes in tropical and subtropical regions. In PLoS ONE, 2017-06-01, 12, 6, pp., Registrované v: SCOPUS
23. [1.2] LIU, Chunwei - SUN, Ge - MCNULTY, Steven G. - NOORMETS, Asko - FANG, Yuan. Environmental controls on seasonal ecosystem evapotranspiration/potential evapotranspiration ratio as determined by the global eddy flux measurements. In Hydrology and Earth System Sciences. ISSN 10275606, 2017-01-18, 21, 1, pp. 311-322., Registrované v: SCOPUS
24. [1.2] LIU, Meiling - ZHU, Ruiqing - ZHANG, Zhishan - LIU, Lichao - HUI, Rong - BAO, Jingting - ZHANG, Hao. Water use traits and survival mechanisms of psammophytes in arid ecosystems. In Arid Land Research and Management. ISSN 15324982, 2016-04-02, 30, 2, pp. 166-180., Registrované v: SCOPUS
25. [1.2] VERA, Sergio - PINTO, Camilo - VICTORERO, Felipe - BUSTAMANTE, Waldo - BONILLA, Carlos - GIRONÁS, Jorge - ROJAS, Victoria. Influence of plant and substrate characteristics of vegetated roofs on a supermarket energy performance located in a semiarid climate. In Energy Procedia. ISSN 18766102, 2015-11-01, 78, pp. 1171-1176., Registrované v: SCOPUS
26. [1.2] WANG, Dakang - LIU, Yan - YU, Tao - ZHANG, Yin - LIU, Qixin - CHEN, Xinran - ZHAN, Yulin. A method of using WRF-simulated surface temperature to estimate daily evapotranspiration. In Journal of Applied Meteorology and Climatology. ISSN 15588424, 2020-01-01, 59, 5, pp. 901-914.,

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27. [2.1] KLEMENT, A. - FER, M. - NOVOTNA, S. - NIKODEM, A. - KODESOVA, R. Root distributions in a laboratory box evaluated using two different techniques (gravimetric and image processing) and their impact on root water uptake simulated with HYDRUS. In JOURNAL OF HYDROLOGY AND HYDROMECHANICS. ISSN 0042-790X, JUN 2016, vol. 64, no. 2, p. 196-208., Registrované v: WOS

AAA03 PEKÁROVÁ, Pavla - ONDERKA, Milan - PEKÁR, Ján - MIKLÁNEK, Pavol - HALMOVÁ, Dana - ŠKODA, Peter - BAČOVÁ MITKOVÁ, Veronika.

*Hydrologic Scenarios for the Danube River at Bratislava*. Ostrava : KEY

Publishing, 2008. 159 s. ISBN 978-80-87071-51-9

Ohlasy:

1. [1.1] MALAGO, A. - VIGIAK, O. - BOURAOUI, F. - PAGLIERO, L. - FRANCHINI, M. The Hillslope Length Impact on SWAT Streamflow Prediction in Large Basins. In JOURNAL OF ENVIRONMENTAL INFORMATICS. ISSN 1726-2135, DEC 2018, vol. 32, no. 2, p. 82-97.,

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2. [1.1] UDIAS, A. - MALAGO, A. - PASTORI, M. - VIGIAK, O. - REYNAUD, A. - ELORZA, F.J. - BOURAOUI, F. Identifying Efficient Nitrate Reduction Strategies in the Upper Danube. In WATER. SEP 2016, vol. 8, no. 9., Registrované v: WOS

3. [2.1] JENEIOVA, K. - KOHNOVA, S. - HALL, J. - PARAJKA, J. Variability of seasonal floods in the Upper Danube River basin. In JOURNAL OF HYDROLOGY AND HYDROMECHANICS. ISSN 0042-790X, DEC 2016, vol. 64, no. 4, p. 357-366., Registrované v: WOS

4. [2.1] PAPAIOANNOU, G. - KOHNOVA, S. - BACIGAL, T. - SZOLGAY, J. - HLAVCOVA, K. - LOUKAS, A. Joint modelling of flood peaks and volumes: A copula application for the Danube River. In JOURNAL OF HYDROLOGY AND HYDROMECHANICS. ISSN 0042-790X, DEC 2016, vol. 64, no. 4, p. 382-392., Registrované v: WOS

AAA04 SZOLGAY, Ján - HLAVČOVÁ, K. - LAPIN, Milan - PARAJKA, Juraj - KOHNOVÁ, Silvia. *Vplyv zmeny klímy na odtokový režim na Slovensku*. Ostrava : KEY Publishing s.r.o., 2007. 160 s. ISBN 978-80-87071-50-2

Ohlasy:

1. [3.1] GARAJ, Marcel - PEKÁROVÁ, Pavla - MIKLÁNEK, Pavol - PEKÁR, Ján. The changes of water balance components in Slovakia. In Abstract book 17th Alps-Adria Scientific Workshop - Conference [elektronický zdroj]. - Gödöllő : Szent István Egyetemi Kiadó Nonprofit Kft., 2018, s. 84-85. ISBN 978-963-269-734-5

2. [4.1] GARAJ, Marcel - PEKÁROVÁ, Pavla - MIKLÁNEK, Pavol - PEKÁR, Ján. Dlhodobý vývoj hydrologickej bilancie v povodí Topľa za obdobie 1961 – 2015, časť II: Simulácia vývoja odtoku za zmenených klimatických pomerov modelom BILAN [Longterm development of hydrological balance in the Topľa basin in 1961–2015. part II.: Simulation of the runoff development by BILAN model in changed climate conditions]. In Acta Hydrologica Slovaca, 2018, roč. 19, č. 1, p. 27-34. ISSN 1335-6291.

3. [4.1] Implementácia smernice Európskeho parlamentu a Rady 2007/60/ES z 23. októbra 2007 o hodnotení a manažmente povodňových rizík

. Predbežné hodnotenie povodňového rizika v čiastkovom povodí Dunaja – aktualizácia 2018. MŽP SR 2018. 144 s.

4. [4.1] PEKÁROVÁ, Pavla - GARAJ, Marcel - PEKÁR, Ján - MIKLÁNEK, Pavol. Dlhodobý vývoj hydrologickej bilancie v povodí Tople za obdobie 1961 – 2015. časť I : zmeny zásob vody v povodí Tople v mesačnom kroku [Longterm development of hydrological balance in the Topľa basin in 1961–2015. part I: changes of water storage in monthly step in the Topľa basin.]. Marcel Garaj, Ján Pekár, Pavol Miklášek. In Acta Hydrologica Slovaca, 2018, roč. 19, č. 1, p. 17-26. ISSN 1335-6291.

AAA05 VELÍSKOVÁ, Yvetta - SOKÁČ, Marek - HALAJ, Peter. *Disperzia v povrchových tokoch – meranie a modelovanie* [Dispersion in surface streams-measuring and modelling]. Brno : ARDEC, 2014. 118 s. ISBN 978-80-86020-80-8

Ohlasy:

1. [3.1] HORÁK, Ján - MUKHINA, Irina - BÁREK, Viliam. Testing the DNDC model for nitrous oxide emissions (N<sub>2</sub>O) from cropland in Slovakia. In Journal of International Scientific Publications Ecology & Safety. 2016, vol. 10, p. 43-51, ISSN 1314-7234 online

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

AAB01 BURGER, František - ČELKOVÁ, Anežka. *Salinizácia a kontaminácia podpovrchového environmentu* = Salinization and contamination of the subsurface environment [elektronický zdroj]. Bratislava : Ústav hydrológie SAV, 2009. 1 CD-ROM (329 s.). Projekt Vega č. č.2/0130/09 a 2/0069/09. Názov prebraný z titulnej obrazovky. ISBN 978-80-89139-17-0

Ohlasy:

1. [4.1] KOVÁČOVÁ, Viera. Analýza miery salinizácie a alkalizácie pôdného profilu a ich vývoj na území Žitného ostrova. In Hydrologický výskum v podmienkach prebiehajúcej klimatickej zmeny. - Bratislava : Veda, 2018, s. 251-279. ISBN 978-80-224-1691-7.

2. [4.1] KOVÁČOVÁ, Viera. Hodnotenie kvality vody v kanálovej sieti juhozápadného Slovenska [Evaluation of water quality in south-west Slovakia channel network.]. In Vplyv antropogénnej činnosti na vodný režim nížinného územia - Influence of anthropogenic activities on water regime of lowland territory : Zborník recenzovaných príspevkov -Proceedings of peer-reviewed contributions [elektronický zdroj]. - Bratislava ; Michalovce : Ústav hydrológie SAV : Výskumná hydrologická základňa Michalovce, 2018, s. 129-140. ISBN 978 – 80 – 89139 – 41 – 5.

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5. [4.1] KOVÁČOVÁ, Viera. Trendy vývoja obsahu dusičnanov v kanálovej sieti Žitného ostrova [Trends of nitrate ions content in Žitný ostrov channel network]. In Acta Hydrologica Slovaca, 2017, roč. 18, č. 1, p. 57-67. ISSN 1335-6291.

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7. [4.1] KOVÁČOVÁ, V. VÝSKYT ZLÚČENÍN DUSÍKA V POVRCHOVÝCH VODÁCH ŽITNÉHO OSTROVA. In VPLYV ANTROPOGÉNNEJ ČINNOSTI NA VODNÝ REŽIM NÍŽINNÉHO ÚZEMIA : Zborník recenzovaných príspevkov - Proceedings of peer-reviewed contributions, Bratislava Michalovce : Ústav hydrológie SAV : Výskumná hydrologická základňa, 2015, s. 169-177.

AAB02 KOSORIN, Karol - KLOPČEK, A. *Hydraulické výpočty odvodňovacích a zavlažovacích sietí*. Bratislava : Veda, 1990. 141 s. ISBN 80-224-0113-7

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1. [4.1] VELÍSKOVÁ, Yvetta - DUŠEK, Petr - DULOVÍČOVÁ, Renáta - PAVELKOVÁ, Dana. Hydraulické parametre kanálovej sústavy Žitného ostrova pre numerickú simuláciu jej hladinového a prietokového režimu. In XX. Okresné dni vody : Recenzovaný zborník referátov. - Bratislava ; Michalovce ; Košice : ÚH SAV : Výskumná hydrologická základňa : Východoslovenská vodárenská spoločnosť a.s., 2016, s. 105-112. ISBN 978-80-89139-37-8

AAB03 LICHNER, Ľubomír. *Vplyv biologických faktorov na hydrologické procesy v pôdach Borskej a Podunajskej nížiny*. Bratislava : Veda, 2007. 109 s. ISBN 978-80-224-0985-8

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AAB04 MAJERČÁK, Juraj - NOVÁK, Viliam. *GLOBAL a numerical model for water movement in the soil root zone..* Bratislava : Institute of Hydrology, 1994. 75 s.

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AAB05 MAJERČÁK, Juraj - NOVÁK, Viliam. *GLOBAL, one-dimensional variable saturated flow model, including root water uptake, evapotranspiration structure, corn yield, interception of precipitations and winter regime calculation*. Bratislava : Institute of Hydrology, 1994. 75 s.

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