

1. **Bártů M***, Hojný J, Hájková N, Michálková R, Krkavcová E, Hadravský L, Kleissnerová L, Bui QH, Stružinská I, Němejcová K, Čapoun O, Šlemendová M, **Dundr P***. Analysis of expression, epigenetic, and genetic changes of HNF1B in 130 kidney tumours. *Scientific Reports*. 2020, 10(1), 17151. ISSN 2045-2322. <https://doi.org/10.1038/s41598-020-74059-z>

Rank: 17/73 , percentil: 77.40 (Multidisciplinary Sciences)	Citace dle WoS bez auto: 2
IF (2020) = 4.379	WoS: 000582694000018

2. **Bezdiček O***, Červenková M, Moore TM, Stepankova Georgi H, Sulc Z, Wolk DA, Weintraub DA, Moberg PJ, Jech R, Kopeček M, Roalf DR. Determining a Short Form Montreal Cognitive Assessment (s-MoCA) Czech Version: Validity in Mild Cognitive Impairment Parkinson's Disease and Cross-Cultural Comparison. *Assessment*. 2020, 27(8), 1960-1970. ISSN 1073-1911. <https://doi.org/10.1177/1073191118778896>

Rank: 23/131 , percentil: 82.82 (Psychology, Clinical)	Citace dle WoS bez auto: 4
IF (2020) = 4.667	WoS: 000574555000019

3. **Buday J***, Albrecht J, Podgorná G, Mareš T, Le HT, Čapek V, Mahrík J, Pol M, Raboch J, **Anders M**. Seizure threshold manipulation in electroconvulsive therapy via repetitive transcranial magnetic stimulation. A novel way of augmentation?. *Brain Stimulation*. 2020, 13(6), 1631-1638. ISSN 1935-861X. <https://doi.org/10.1016/j.brs.2020.09.008>

Rank: 13/208 , percentil: 93.99 (Clinical Neurology)	Citace dle WoS bez auto: 2
IF (2020) = 8.955	WoS: 000597945200025

4. **Cibula D***, Kocián R, Plaikner A, Jarkovsky J, Klat J, Zapardiel I, Pilka R, Torne A, Sehnal B, Ostojich M, Petiz A, Sanchez OA, Presl J, Buda A, Raspagliesi F, Kascak P, van Lonkhuijzen L, Barahona M, Minar L, Blecharz P, Pakiz M, Wydra D, Snyman LC, Zalewski K, Zorrero C, Havelka P, Redecha M, Vinnyska A, Vergote I, Tingulstad S, Michal M, Kipp B, Sláma J, Marnitz S, Bajsova S, Hernandez A, Fischerová D, Němejcová K, Kohler Ch. Sentinel lymph node mapping and intraoperative assessment in a prospective, international, multicentre, observational trial of patients with cervical cancer: The SENTIX trial. *European Journal of Cancer*. 2020, 137(September), 69-80. ISSN 0959-8049. <https://doi.org/10.1016/j.ejca.2020.06.034>

Rank: 33/242 , percentil: 86.57 (Oncology)	Citace dle WoS bez auto: 6
IF (2020) = 9.162	WoS: 000566726800008

5. **Dráberová H**, Janusova S, **Knížková D**, Šemberová T, Přibíková M, Ujević A, Harant K, Knapkova S, Hrdinka M, Fanfani V, Stracquadanio G, Drobek A, Ruppova K, Stepanek O*, **Dráber P***. Systematic analysis of the IL-17 receptor signalosome reveals a robust regulatory feedback loop. *The EMBO Journal*. 2020, 39(17), e104202. ISSN 0261-4189. <https://doi.org/10.15252/embj.2019104202>

Rank: 22/297 , percentil: 92.76 (Biochemistry & Molecular Biology)	Citace dle WoS bez auto: 1
IF (2020) = 11.598	WoS: 000550668100001

Dráberová, Janusova, Knížková: These authors contributed equally to this work.

6. **Dušek P***, Smolinski L, Redzia-Ogrodnik B, Golebiowski M, Skowronska M, Poujois A, Laurencin Ch, Jastrzebska-Kurkowska I, Litwin T, Czlonkowska A. Semiquantitative Scale for Assessing Brain MRI Abnormalities in Wilson Disease: A Validation Study. *Movement Disorders*. 2020, 35(6), 994-1001. ISSN 0885-3185. <https://doi.org/10.1002/mds.28018>

Rank: 10/208 , percentil: 95.43 (Clinical Neurology)	Citace dle WoS bez auto: 7
IF (2020) = 10.338	WoS: 000541254900016

7. **Hásková A**, Radovnická L, Petruželková L, Parkin ChG, Grunberger G, Horová E, Navrátilová V, Kádě O, Matoulek M, Prázný M, **Šoupal J***. Real-time CGM Is Superior to Flash Glucose Monitoring for Glucose Control in Type 1 Diabetes: The CORRIDA Randomized Controlled Trial. *Diabetes Care*. 2020, 43(11), 2744-2750. ISSN 0149-5992. <https://doi.org/10.2337/dc20-0112>

Rank: 5/145 , percentil: 96.90 (Endocrinology & Metabolism)	Citace dle WoS bez auto: 6
IF (2020) = 19.112	WoS: 000579855400029

8. Kiss I, Pospíšilová E, Kološtová K, Malý V, Stanek I, Lischke R, Schützner J, Pawlak I, **Bobek V***. Circulating Endometrial Cells in Women With Spontaneous Pneumothorax. *Chest*. 2020, 157(2), 342-355. ISSN 0012-3692. <https://doi.org/10.1016/j.chest.2019.09.008>

Rank: 6/64 , percentil: 91.41 (Respiratory System)	Citace dle WoS bez auto: 3
IF (2020) = 9.410	WoS: 000512414700023

9. **Lukavská K***, Vacek J, **Gabrhelík R**. The effects of parental control and warmth on problematic internet use in adolescents: A prospective cohort study. *Journal of Behavioral Addictions*. 2020, 9(3), 664-675. ISSN 2062-5871. <https://doi.org/10.1556/2006.2020.00068>

Rank: 12/143 , percentil: 91.96 (Psychiatry)	Citace dle WoS bez auto: 1
IF (2020) = 6.756	WoS: 000577516600012

10. **Matek J**, Černohorský S, Trča S, Krška Z, Hoskovec D, Bruthans J, Šíma M, **Michálek P***. A Randomized Comparison of Plasma Levobupivacaine Concentrations Following Thoracic Epidural Analgesia and Subpleural Paravertebral Analgesia in Open Thoracic Surgery. *Journal of Clinical Medicine*. 2020, 9(5), 1395. ISSN 2077-0383. <https://doi.org/10.3390/jcm9051395>

Rank: 39/169 , percentil: 77.22 (Medicine, General & Internal)	Citace dle WoS bez auto: 0
IF (2020) = 4.241	WoS: 000540223800152

11. **Miovský M**, Miklíková S, Mravčík V, Grund J, Černíková T*. Understanding the crisis in harm reduction funding in Central and Eastern Europe. *Harm Reduction Journal*. 2020, 17(1), 83. ISSN 1477-7517. <https://doi.org/10.1186/s12954-020-00428-6>

Rank: 6/37 , percentil: 85.14 (Substance Abuse)	Citace dle WoS bez auto: 0
IF (2020) = 4.362	WoS: 000586457700002

12. **Mravčík V***, Nechanská B, Gabrhelík R, Handal M, Mahic M, Skurtveit S. Socioeconomic characteristics of women with substance use disorder during pregnancy and neonatal outcomes in their newborns: A national registry study from the Czech Republic. *Drug and Alcohol Dependence*. 2020, 209(April), 107933. ISSN 0376-8716. <https://doi.org/10.1016/j.drugalcdep.2020.107933>

Rank: 3/21 , percentil: 88.10 (Substance Abuse)	Citace dle WoS bez auto: 1
IF (2020) = 4.492	WoS: 000527917700043

13. **Němejcová K**, Kocián R, Kohler Ch, Jarkovsky J, Klat J, Berjon A, Pilka R, Sehnal B, Gil-Ibanez B, Lupo E, Petiz A, Arencibia Sanchez O, Kascak P, Martinelli F, Buda A, Presl J, Barahona M, van Lonkhuijzen L, Szatkowski W, Minar L, Pakiz M, Havelka P, Zorrero C, Misiek M, Snyman LC, Wydra D, Vergote I, Vinyntyska A, Redecha M, Michal M, Tingulstad S, Kipp B, Szewczyk G, Toth R, de Santiago Garcia FJ, Coronado Martin PJ, Poka R,

Tamussino K, Luyckx M, Fastrez M, Carlos Staringer J, Germanová A, Plaikner A, Bajsova S, Dundr P, Mallmann-Gottschalk N, **Cibula D***. Central Pathology Review in SENTIX, a Prospective Observational International Study on Sentinel Lymph Node Biopsy in Patients with Early-Stage Cervical Cancer (ENGOT-CX2). *Cancers*. 2020, 12(5), 1115. ISSN 2072-6694. <https://doi.org/10.3390/cancers12051115>

Rank: 51/242 , percentil: 79.13 (Oncology)	Citace dle WoS bez auto: 1
IF (2020) = 6.639	WoS: 000539246000056

14. Novotný J, **Strnadová K**, Dvořánková B, Kocourková Š, Jakša R, Dundr P, Pačes V, Smetana K, Kolář M*, **Lacina L***. Single-Cell RNA Sequencing Unravels Heterogeneity of the Stromal Niche in Cutaneous Melanoma Heterogeneous Spheroids. *Cancers*. 2020, 12(11), 3324. ISSN 2072-6694. <https://doi.org/10.3390/cancers12113324>

Rank: 51/242 , percentil: 79.13 (Oncology)	Citace dle WoS bez auto: 1
IF (2020) = 6.639	WoS: 000592838500001

Novotný and Strnadová: These authors contributed equally to this work.

15. **Riljak V**, Janišová K, **Mysliveček J***. Lack of M-4 muscarinic receptors in the striatum, thalamus and intergeniculate leaflet alters the biological rhythm of locomotor activity in mice. *Brain Structure and Function*. 2020, 225(5), 1615-1629. ISSN 1863-2653. <https://doi.org/10.1007/s00429-020-02082-x>

Rank: 3/21 , percentil: 88.10 (Anatomy & Morphology)	Citace dle WoS bez auto: 0
IF (2020) = 3.270	WoS: 000532908600001

16. Sipido KR*, Antonanzas F, Celis J, Degos L, Frackowiak R, Fuster V, Ganten D, Gay S, Hofstraat H, Holgate ST, Krestin G, Manns M, Meunier F, Oertel W, Palkonen S, Pavalkis D, Ruebsamen-Schaeff H, Smith U, Stallknecht BM, **Zima T**. Overcoming fragmentation of health research in Europe: lessons from COVID-19. *The Lancet*. 2020, 395(10242), 1970-1971. ISSN 0140-6736. [https://doi.org/10.1016/S0140-6736\(20\)31411-2](https://doi.org/10.1016/S0140-6736(20)31411-2)

Rank: 2/169 , percentil: 99.11 (Medicine, General & Internal)	Citace dle WoS bez auto: 2
IF (2020) = 79.321	WoS: 000547825600024

17. **Srpová B***, Uher T, Hrnčiarová T, Barro Ch, Andělová M, Michalak Z, Vaněčková M, Krásenský J, Nosková L, Kubala Havrdová E, Kuhle J, **Horáková D**. Serum neurofilament light chain reflects inflammation-driven neurodegeneration and predicts delayed brain volume loss in early stage of multiple sclerosis. *Multiple Sclerosis Journal*. 2021, 27(1), 52-60. ISSN 1352-4585. <https://doi.org/10.1177/1352458519901272>

Rank: 28/208 , percentil: 86.78 (Clinical Neurology)	Citace dle WoS bez auto: 3
IF (2020) = 6.312	WoS: 000508785700001

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18. **Strnadová K**, **Španko M**, Dvořánková B, **Lacina L***, Kodet O, Shbat A, Klepáček I, **Smetana K***. Melanoma xenotransplant on the chicken chorioallantoic membrane: a complex biological model for the study of cancer cell behaviour. *Histochemistry and Cell Biology*. 2020, 154(2), 177-188. ISSN 0948-6143. <https://doi.org/10.1007/s00418-020-01872-y>

Rank: 1/9 , percentil: 94.44 (Microscopy)	Citace dle WoS bez auto: 1
IF (2020) = 4.304	WoS: 000522568100001

Karolína Strnadová and Michal Španko have contributed equally.

19. **Šoupal J***, Petruželková L, Grunberger G, Hásková A, Flekač M, Matoulek M, Mikeš O, Pelcl T, Škrha J, Horová E, Škrha J, Parkin ChG, Svačina Š, **Prázný M**. Glycemic Outcomes in Adults With T1D Are Impacted More by Continuous Glucose Monitoring Than by Insulin Delivery Method: 3 Years of Follow-Up From the COMISAIR Study. *Diabetes Care*. 2020, 43(1), 37-43. ISSN 0149-5992. <https://doi.org/10.2337/dc19-0888>

Rank: 5/145 , percentil: 96.90 (Endocrinology & Metabolism)	Citace dle WoS bez auto: 50
IF (2020) = 19.112	WoS: 000508573600017

20. **Uher T***, Schaedelin S, Srpová B, Barro Ch, Bergsland N, Dwyer M, Týblová M, Vodehnalová K, Benkert P, Oechtering J, Leppert D, Naegelin Y, Krásenský J, Vaněčková M, Kubala Havrdová E, Kappos L, Zivadinov R, Horáková D, Kuhle J, Kalinčík T. Monitoring of radiologic disease activity by serum neurofilaments in MS. *Neurology: Neuroimmunology & Neuroinflammation*. 2020, 7(4), e714. ISSN 2332-7812. <https://doi.org/10.1212/NXI.0000000000000714>

Rank: 14/208 , percentil: 93.51 (Clinical Neurology)	Citace dle WoS bez auto: 10
IF (2020) = 8.485	WoS: 000559239400026

21. **Uher T**, McComb M, Galkin S, Srpová B, Oechtering J, Barro C, Týblová M, Bergsland N, Krásenský J, Dwyer M, Kubala Havrdová E, Posová H, Vaněčková M, Zivadinov R, Horáková D, Kuhle J, Ramanathan M*. Neurofilament levels are associated with blood-brain barrier integrity, lymphocyte extravasation, and risk factors following the first demyelinating event in multiple sclerosis. *Multiple Sclerosis Journal*. 2021, 27(2), 220-231. ISSN 1352-4585. <https://doi.org/10.1177/1352458520912379>

Rank: 28/208 , percentil: 86.78 (Clinical Neurology)	Citace dle WoS bez auto: 11
IF (2020) = 6.312	WoS: 000556994000001

First Published April 7, 2020

22. **Vítek L***, Tiribelli C. Bilirubin, Intestinal Integrity, the Microbiome, and Inflammation. *The New England Journal of Medicine*. 2020, 383(7), 684-686. ISSN 0028-4793. <https://doi.org/10.1056/NEJMcibr2013250>

Rank: 1/169 , percentil: 99.70 (Medicine, General & Internal)	Citace dle WoS bez auto: 6
IF (2020) = 91.245	WoS: 000562771200018

23. **Živná M**, Kidd K, Zaidan M, Vyleťal P, Barešová V, Hodaňová K, Sovová J, Hartmannová H, Votruba M, Trešlová H, Jedličková I, Sikora J, Hůlková H, Robins V, Hnizda A, Živný J, Papagregoriou G, Mesnard L, Beck BB, Wenzel A, Tory K, Haeffner K, Wolf MTF, Bleyer ME, Sayer JA, Ong ACM, Balogh L, Jakubowska A, Laszkiewicz A, Clissold R, Shaw-Smith Ch, Munshi R, Haws RM, Izzi C, Capelli I, Santostefano M, Graziano C, Scolari F, Sussman A, Trachtman H, Decramer S, Matignon M, Grimbert P, Shoemaker LR, Stavrou Ch, Abdelwahed M, Belghith N, Sinclair M, Claes K, Kopel T, Moe S, Deltas C, Knebelmann B, Rampoldi L, Kmoch S, **Bleyer A***. An international cohort study of autosomal dominant tubulointerstitial kidney disease due to REN mutations identifies distinct clinical subtypes. *Kidney International*. 2020, 98(6), 1589-1604. ISSN 0085-2538. <https://doi.org/10.1016/j.kint.2020.06.041>

Rank: 4/90 , percentil: 96.11 (Urology & Nephrology)	Citace dle WoS bez auto: 2
IF (2020) = 10.612	WoS: 000596506000030

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