

Tovi Publications List

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- Adorf, L., L. Bronkalla, J. Forner, B. Haas, F. Kohler, F. Lohoff, N. Raabe, S. Schroeder, T. Stude and A. Voigt (2020). "A Study Project on Eddy Covariance over Grassland: Leaf Area Index, CO₂ Flux, Evapotranspiration." Group.
- Al Tobi, M. N. R. (2018). Consequences of tyrosine phosphorylation of Syntaxin4 and Munc18c on GLUT4 trafficking PhD Thesis, University of Glasgow.
- Alvarado-Barrientos, M. S., H. López-Adame, H. E. Lazcano-Hernández, J. Arellano-Verdejo and H. A. Hernández-Arana (2021). "Ecosystem-Atmosphere Exchange of CO₂, Water, and Energy in a Basin Mangrove of the Northeastern Coast of the Yucatan Peninsula." *Journal of Geophysical Research: Biogeosciences* 126(2): e2020JG005811.
- Bispo, R. D. C. (2020). "Medições e modelagem da evapotranspiração em cana-de-açúcar no Noroeste Paulista."
- Braybrook, C. A. (2020). Impact of Environmental Variability on Net Ecosystem CO₂ Exchange from 2008-2018 at a High Arctic Mesic Tundra Site PhD Thesis, Queen's University (Canada).
- Burba, G. (2021). Atmospheric flux measurements. *Advances in Spectroscopic Monitoring of the Atmosphere*, Elsevier: 443-520.
- Burba, G., I. Begashaw, A. Forgiione, N. Franken, F. Griessbaum, P. Isaac, D. Johnson, J. Kathilankal, A. McQuistan and A. Parkinson (2019). New Software for Flux Data Analysis: from Gap Filling to Flux and Footprint Partitioning.
- Burns, S. P. (2018). The Influence of Warm-season Precipitation on Water Cycling and the Surface Energy Budget Within and Just-above a Colorado Subalpine Forest in Mountainous Terrain: Measurements and Modeling PhD Thesis, University of Colorado at Boulder.
- Carvalho, D. L. C. d. (2018). Efeito da fotobiomodulação sobre o estresse oxidativo e o dano no DNA induzido pelo bussulfano em doses encontradas na saliva: estudo in vitro PhD Thesis, Universidade de São Paulo.
- Casimiro Soriano, E. M. (2019). "Balance de carbono, energía y productividad ecosistémica en la amazonía occidental empleando el método de flujos turbulentos."
- Chen, C., C. Li, W. Liu, F. Guo, X. Kou, S. Sun, T. Ye, S. Li and A. Zhao (2020). "Estrogen-induced FOS-like 1 regulates matrix metalloproteinase expression and the motility of human endometrial and decidual stromal cells." *Journal of Biological Chemistry* 295(8): 2248-2258.
- Choe, E.-J., J.-S. Lee, G.-Y. Kim, S.-I. Lee and H.-C. Jeong (2019). 에디공분산 및 챔버법을 이용한 벼 재배 논에서의 메탄 배출량 비교 평가, *The Korean Environmental Sciences Society*.
- Cochavi, A., M. Amer, R. Stern, F. Tatarinov, M. Migliavacca and D. Yakir (2021). "Differential responses to two heatwave intensities in a Mediterranean citrus orchard are identified by combining measurements of fluorescence and carbonyl sulfide (COS) and CO₂ uptake." *New Phytologist* 230(4): 1394-1406.
- Connolly, C. T. (2019). Dissolved organic matter in Arctic watersheds and coastal waters PhD Thesis.
- Cooper, J. M. (2018). "To shift or not to shift: Low density lipoprotein receptor-related protein 1 and the plasminogen activators gate phase shifting in the mammalian circadian clock."
- De Vlaeminck, Y., Q. Lecocq, P. Giron, C. Heirman, X. Geeraerts, E. Bolli, K. Movahedi, S. Massa, S. Schoonooghe and K. Thielemans (2019). "Single-domain antibody fusion proteins can target and shuttle functional proteins into macrophage mannose receptor expressing macrophages." *Journal of Controlled Release* 299: 107-120.
- Di Meco, A. (2019). EFFECT OF GESTATIONAL HIGH FAT DIET ON ALZHEIMER'S DISEASE SUSCEPTIBILITY IN THE OFFSPRING PhD Thesis, Temple University. Libraries.
- Di Meco, A., J. Jelinek, E. Lauretti, M. E. Curtis, J.-P. J. Issa and D. Praticò (2019). "Gestational high fat diet protects 3xTg offspring from memory impairments, synaptic dysfunction, and brain pathology." *Molecular psychiatry*: 1-14.

- Ellery, S. J., P. Murthi, P. A. D. Gatta, A. K. May, M. L. Davies-Tuck, G. M. Kowalski, D. L. Callahan, C. R. Bruce, E. M. Wallace and D. W. Walker (2020). "The Effects of Early-Onset Pre-Eclampsia on Placental Creatine Metabolism in the Third Trimester." *International journal of molecular sciences* 21(3): 806.
- Faralli, J. A., M. S. Filla, C. M. McDowell and D. M. Peters (2020). "Disruption of fibronectin fibrillogenesis affects intraocular pressure (IOP) in BALB/cJ mice." *Plos one* 15(8): e0237932.
- Furlan, F. M. (2020). "Variabilidade temporal e estimativa espacial dos fluxos de CO₂ entre a atmosfera e a vegetação namarisma da Ilha da Pólvora em Rio Grande-RS."
- Hemming-Schroeder, E., D. Zhong, M. Machani, H. Nguyen, S. Thong, S. Kahindi, C. Mbogo, H. Atieli, A. Githeko and T. Lehmann (2020). "Ecological drivers of genetic connectivity for African malaria vectors *Anopheles gambiae* and *An. arabiensis*." *Scientific reports* 10(1): 1-12.
- Hildebrandt, T. "The role of the lysine-specific demethylase 1 during oligodendrocyte differentiation and its novel function in nuclear redox signaling."
- Hoellerbauer, P. F. (2020). Identification of Genetic Vulnerabilities in Glioblastoma and Other Cancers Using Crispr-Cas9-Based Functional Genomic Approaches, University of Washington.
- Hood, S. E., X. V. Kofler, Q. Chen, J. Scott, J. Ortega and M. Lehmann (2020). "Nuclear translocation ability of Lipin differentially affects gene expression and survival in fed and fasting *Drosophila*." *Journal of Lipid Research* 61(12): 1720-1732.
- Howe, R. A. (2019). Characterization of the Novel Protein SCHISM1 (C15orf65) as an Epigenetic Regulator of Lymphopoiesis and Suppressor of Plasma Cell Malignancy PhD Thesis, Albert Einstein College of Medicine.
- Ilagan, M. E. (2019). Growth factor signaling pathways converge on the TSC complex to control mTOR PhD Thesis.
- Isaac, P. R., J. R. Cleverly, I. McHugh and C. Ewenz (2019). Uncertainty in Carbon and Water Budgets Due to Processing and Partitioning Choices.
- Jeong, H.-c., E.-j. Choi, G.-y. Kim, S.-i. Lee and J.-s. Lee (2018). "Comparison of CH₄ Emission by Open-path and Closed Chamber Methods in the Paddy Rice Fields." *Korean Journal of Environmental Biology* 36(4): 507-516.
- Langer, H. T. (2021). The effect of chronic constriction injury to the sciatic nerve on myofibrillar protein synthesis in rat tibialis anterior PhD Thesis.
- Liu, J., F. Cheng, W. Munger, P. Jiang, T. G. Whitby, S. Chen, W. Ji and X. Man (2020). "Precipitation extremes influence patterns and partitioning of evapotranspiration and transpiration in a deciduous boreal larch forest." *Agricultural and Forest Meteorology* 287: 107936.
- Liu, Z., W. Cheng, C. Y. Jim, T. E. Morakinyo, Y. Shi and E. Ng (2021). "Heat mitigation benefits of urban green and blue infrastructures: A systematic review of modeling techniques, validation and scenario simulation in ENVI-met V4." *Building and Environment*: 107939.
- Lyu, S., H. Zhang, T. Zhao, X. Wen, H. Wu and Y. Yang (2020). "Interannual variability of net ecosystem carbon production and its climatic and biotic mechanism during 2005-2018 in a rain-fed maize ecosystem." *bioRxiv*.
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- Morakinyo, T. E., K. K.-L. Lau, C. Ren and E. Ng (2018). "Performance of Hong Kong's common trees species for outdoor temperature regulation, thermal comfort and energy saving." *Building and Environment* 137: 157-170.
- Mordaunt, C. E. (2019). Epigenomic Signatures of Wilson Disease and Autism Spectrum Disorder PhD Thesis, University of California, Davis.
- Namdar, D., D. Charuvi, V. Ajjampura, M. Mazuz, A. Ion, I. Kamara and H. Koltai (2019). "LED lighting affects the composition and biological activity of *Cannabis sativa* secondary metabolites." *Industrial Crops and Products* 132: 177-185.
- Noakes, M. J., A. E. McKechnie and R. M. Brigham (2021). "Interspecific variation in heat tolerance and evaporative cooling capacity among sympatric temperate-latitude bats." *Canadian Journal of Zoology*(ja).
- Ochocki, J. D., S. Khare, M. Hess, D. Ackerman, B. Qiu, J. I. Daisak, A. J. Worth, N. Lin, P. Lee and H. Xie (2018). "Arginase 2 suppresses renal carcinoma

- progression via biosynthetic cofactor pyridoxal phosphate depletion and increased polyamine toxicity." *Cell metabolism* 27(6): 1263-1280.
- Oke, T. A. and H. A. Hager (2020). "Plant community dynamics and carbon sequestration in Sphagnum-dominated peatlands in the era of global change." *Global Ecology and Biogeography* 29(10): 1610-1620.
- Oke, T. A. and M. R. Turetsky (2020). "Evaluating Sphagnum traits in the context of resource economics and optimal partitioning theories." *Oikos* 129(8): 1204-1215.
- Oke, T. A., M. R. Turetsky, D. J. Weston and A. J. Shaw (2019). "Impacts of intraspecific variability and local adaptation on the ecophysiology of mosses: an example with *Sphagnum magellanicum*." *BioRxiv*: 859710.
- Oke, T. A., M. R. Turetsky, D. J. Weston and J. A. Shaw (2020). "Tradeoffs between phenotypic plasticity and local adaptation influence the ecophysiology of the moss, *Sphagnum magellanicum*." *Oecologia* 193(4): 867-877.
- Ouyang, W., T. E. Morakinyo, C. Ren, S. Liu and E. Ng (2021). "Thermal-irradiant performance of green infrastructure typologies: Field measurement study in a subtropical climate city." *Science of The Total Environment* 764: 144635.
- Pan, J., X. Tian, H. Huang and N. Zhong (2020). "Proteomic study of fetal membrane: inflammation-triggered proteolysis of extracellular matrix may present a pathogenic pathway for spontaneous preterm birth." *Frontiers in Physiology* 11.
- Patel-Murray, N. L. (2019). Understanding neurodegenerative disease-relevant molecular effects of perturbagens using a multi-omics approach PhD Thesis, Massachusetts Institute of Technology.
- Pfannerstill, E. Y., A. C. Nölscher, A. M. Yáñez-Serrano, E. Bourtsoukidis, S. Keßel, R. H. H. Janssen, A. Tsokankunku, S. Wolff, M. Sörgel and M. O. Sá (2018). "Total OH reactivity changes over the Amazon rainforest during an El Niño event." *Frontiers in Forests and Global Change* 1: 12.
- Prahlad, V., S. Das and S. Min "Gene Bookmarking by the Heat-Shock Transcription Factor Programs the Insulin-Like Signaling Pathway." Available at SSRN 3835431.
- Prahlad, V., S. Das and S. Min (2021). "Germline activity of the heat shock factor HSF-1 programs the insulin-receptor *daf-2* in *C. elegans*." *bioRxiv*.
- Rashid, M. H. (2019). Optimized Isolation and Quantification of in Vivo Distribution of Exosomes for Potential Targeted Theranostic Application PhD Thesis, Augusta University.
- Russo, V., T. Klein, D. J. Lim, N. Solis, Y. Machado, S. Hiroyasu, L. Nabai, Y. Shen, M. R. Zeglinski and H. Zhao (2018). "Granzyme B is elevated in autoimmune blistering diseases and cleaves key anchoring proteins of the dermal-epidermal junction." *Scientific reports* 8(1): 1-11.
- Schregle, R. (2018). The Ubiquitin-like Modifier FAT10 in Dendritic Cell Aggresome-like Induced Structures PhD Thesis.
- Sibeaux, A. (2019). Light, pattern geometry and colour vision in guppy mate choice PhD Thesis, Deakin University.
- Spitzer, R. (2018). Analysis of the multivalent binding properties of the novel H2A. Z interactor PWWP2A PhD Thesis, Imu.
- Stewart, H., K. H. Johansen, N. McGovern, R. Palmulli, G. W. Carnell, J. L. Heeney, K. Okkenhaug, A. Firth, A. A. Peden and J. R. Edgar (2021). "SARS-CoV-2 spike downregulates tetherin to enhance viral spread." *bioRxiv*: 2021-2001.
- Ulapane, K. R. (2019). Quantitative Methods to Determine Brain Deposition of Peptides and Proteins after Delivery across the Blood-Brain Barrier PhD Thesis, University of Kansas.
- Wagle, P., P. H. Gowda, D. P. Billesbach, B. K. Northup, M. S. Torn, J. P. S. Neel and S. C. Biraud (2020). "Dynamics of CO₂ and H₂O fluxes in Johnson grass in the US Southern Great Plains." *Science of The Total Environment* 739: 140077.
- Wagle, P., P. H. Gowda, J. P. S. Neel, B. K. Northup and Y. Zhou (2020). "Integrating eddy fluxes and remote sensing products in a rotational grazing native tallgrass prairie pasture." *Science of The Total Environment* 712: 136407.
- Winstone, H., M. J. Lista, A. C. Reid, C. Bouton, S. Pickering, R. P. Galao, C. Kerridge, K. J. Doores, C. M. Swanson and S. J. D. Neil (2021). "The polybasic cleavage site in SARS-CoV-2 spike modulates viral sensitivity to type I interferon and IFITM2." *Journal of virology* 95(9): e02422-02420.
- Xiao, Y., Y. Yu, D. Gao, W. Jin, P. Jiang, Y. Li, C. Wang, Y. Song, P. Zhan and F. Gu (2019). "Inhibition of

CDC25B With WG-391D impedes the tumorigenesis of ovarian cancer." *Frontiers in oncology* 9: 236.

Yusup, Y., J. S. Kayode, M. I. Ahmad, C. S. Yin, M. S. M. N. Hisham and H. M. Isa (2020). "Atmospheric CO₂ and total electricity production before and during the nation-wide restriction of activities as a consequence of the COVID-19 pandemic." *arXiv preprint arXiv:2006.04407*.

Yusup, Y., N. K. Ramli, J. S. Kayode, C. S. Yin, S. Hisham, H. Mohamad Isa and M. I. Ahmad (2020). "Atmospheric Carbon Dioxide and Electricity Production Due to Lockdown." *Sustainability* 12(22): 9397.

Zhang, H., T. Zhao, S. Lyu, H. Wu, Y. Yang and X. Wen (2021). "Interannual variability in net ecosystem carbon production in a rain-fed maize ecosystem and its climatic and biotic controls during 2005–2018." *PLoS one* 16(5): e0237684.

Zhang, X.-X., B. Ni, Q. Li, L.-P. Hu, S.-H. Jiang, R.-K. Li, G.-A. Tian, L.-L. Zhu, J. Li and X.-L. Zhang (2019). "GPAA1 promotes gastric cancer progression via upregulation of GPI-anchored protein and enhancement of ERBB signalling pathway." *Journal of Experimental & Clinical Cancer Research* 38(1): 1-19.

이호진 (2019). 가뭄 후 4 년간 잣나무조림지와 낙엽활엽수림의 순생태계생산량 변화 차이 PhD Thesis, 서울대학교 대학원.

时元智, 时红, 崔远来, 洪大林 and 朱寒 (2021). "基于涡度相关法的长江中下游稻田水分利用效率变化规律." *Transactions of the Chinese Society of Agricultural Engineering* 37(4).

王亮, 胡凝, 王咏薇, 王璐瑶, 赵翔 and 刘寿东 (2020). "南京地区大口径闪烁仪与涡动相关仪感热通量观测对比." *生态学杂志* 39(1): 315-325.

龚元, 纪小芳, 花雨婷, 张银龙 and 李楠 (2020). "基于涡动相关技术的森林生态系统二氧化碳通量研究进展." *浙江农林大学学报* 37(3): 593-604.



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