

Affonso F, Tommaselli FAG, Capezzuto G, Gasparino MV, Chowdhary G, Becker M. **CROW: a self-supervised crop row navigation algorithm for agricultural fields** [Internet]. Journal of Intelligent and Robotic Systems. 2024 ; 111(1): 1-18. Available from: <http://dx.doi.org/10.1007/s10846-025-02219-2>

Affonso F, Tommaselli FAG, Capezzuto G, Gasparino MV, Chowdhary G, Becker M. **Correction to: CROW: a self-supervised crop row navigation algorithm for agricultural fields** [Internet]. Journal of Intelligent and Robotic Systems. 2025 ; 111. Available from: <http://dx.doi.org/10.1007/s10846-025-02321-5>

Amorim MLM, Ginja GA, Moreira M de MAC, Ando Junior OH, Siqueira AAG, Monteiro V, Afonso JA, Carmo JPP do, Afonso JL. **Development and evaluation of a piezoelectret insole for energy harvesting applications** [Internet]. Electronics. 2025 ; 34 1-27. Available from: <http://dx.doi.org/10.3390/electronics14214254>

Andrade R de AP, Oshiro HE, Ginja ^G^A, Colombari E, Dias MC, Afonso JA, Carmo JPP do. **OptoBrain: a wireless sensory interface for optogenetics** [Internet]. Future Internet. 2025 ; 17(10): 1-28. Available from: <https://dx.doi.org/10.3390/fi17100465>

Angelis VS de, Dorrah AH, Ambrosio LA, Miller DAB, Capasso F. **Structuring light waves in 3D volumes with high precision using communication mode optics** [Internet]. Optica. 2025 ; 12(9): Se 2025. Available from: <http://dx.doi.org/10.1364/OPTICA.559264>

Arruda GS de, Morris K, Martins A, Yue W, Sloan-Dennison S, Graham D, Quinn SD, Martins ER, Krauss TF. **Ultrasensitive Alzheimer's disease biomarker detection with nanopillar photonic crystal biosensors** [Internet]. Optica. 2025 ; 12(10): 1587-1596. Available from: <http://dx.doi.org/10.1364/OPTICA.566672>

Cichetto Junior L, Doñate-Buendía C, Flores-Arias MT, Aymerich M, Costa JP de C da, Cordoncillo-Cordoncillo E, Carmo JPP do, Ando Junior OH, Beltrán Mir H, Andrés Bort juan M, Silva EL da, Chiquito AJ. **Electrical resistivity control for non-volatile-memory electrodes induced by femtosecond laser irradiation of LaNiO3 thin films produced by pulsed laser deposition** [Internet]. Inorganics. 2025 ; 13(9): 1-13. Available from: <https://dx.doi.org/10.3390/inorganics13090297>

Cunha RP da, Kormann ACM, Gusmão AD, Danziger BR, Chaves CP, Tsuha C de HC, Monteiro FF, Saboya Junior F, Lopes F de R, Bernardes HC, Giacheti HL, Aguiar MFP de, Sales MM, Albuquerque PJR de. **Foundation practice and design in Brazil: a brief review of past and future developments** [Internet]. Soils and Rocks. 2025 ; 48(3): 1-30. Available from: <http://dx.doi.org/10.28927/SR.2025.009824>

Dias DM, Ferreira MOA, Ramos AP, Wolf W, Moreto JA, Galo R. **Improving the corrosion resistance of titanium by PAA/Chitosan bilayer architecture through the layer-by-layer method** [Internet]. Polysaccharides. 2025 ; 6(3): 1-15. Available from: <https://dx.doi.org/10.3390/polysaccharides6030057>

Ferraz D, Carvalho ACG de, Polloni-Silva E, Moraes GMP de, Moralles HF, Rebelatto DA do N. **The role of foreign direct investment and regional absorptive capacity on economic complexity: a Brazilian investigation** [Internet]. Journal of Open Innovation: Technology, Market, and Complexity. 2025 ; 11(4): 1-11. Available from: <http://dx.doi.org/10.1016/j.joitmc.2025.100657>

Fuga FR, Naranjo YM, Rodríguez Ramos R, Otero JA, Tita V, Medeiros R de. **Effective properties of viscoelastic piezoelectric materials using homogenisation on representative volume finite elements** [Internet]. Composites Part C: Open Access. 2025 ; 18 1-13. Available from: <http://dx.doi.org/10.1016/j.jcomc.2025.100663>

Lindner A, Pitombo CS, Marques S de F. **Bypassing the lack of available travel disaggregated data: a geo-spatial framework to simulate mode choice** [Internet]. Transportation Research Interdisciplinary Perspectives. 2025 ; 34 1-12. Available from: <http://dx.doi.org/10.1016/j.trip.2025.101735>

Louro TV, Grigolon AB, Cunha ALBN da, Geurs KT. **E-bikes' impact on job accessibility and equity in São Paulo and Rio** [Internet]. Transportation Research Part D: Transport and Environment. 2025 ; 149 1-24. Available from: <http://dx.doi.org/10.1016/j.trd.2025.105072>

Medeiros RC, Silva KJS, Hoffmann MT, Freitas BLS, Camargo M de, Fortes PR, Sabogal-Paz LP, Daniel LA. **Synergistic effects of chlorine and ozone on ultraviolet disinfection of different microorganisms in secondary wastewater effluent** [Internet]. Photochemical & Photobiological Sciences. 2025 ; 24 1643-1657. Available from: <https://dx.doi.org/10.1007/s43630-025-00787-8>

Moraes MHM de, Fraga IF, Lahr FAR, Mascarenhas FJR, Pereira Junior WM, Christoforo AL. **Effects of fire conditions on the structural optimization of timber trusses** [Internet]. Forests. 2025 ; 16(10): 1-40. Available from: <https://dx.doi.org/10.3390/f16101578>

Moreira AF, Coelho RT. **Development of an innovative directed energy deposition process based on gas tungsten arc welding and powder metal** [Internet]. Procedia CIRP. 2025 ; 137 350-355. Available from: <http://dx.doi.org/10.1016/j.procir.2025.02.272>

Oliveira GHH de, Correa PC, Oliveira APLR de, Vargas-Elías GA, Calil Júnior C. **Evaluation of the flow properties of coffea canephora during storage as affected by roasting level, particle size, and storage temperature** [Internet]. AgriEngineering. 2025 ; 7(3): 1-15. Available from: <https://dx.doi.org/10.3390/agriengineering7030084>

Pena CAP, Branciforti MC. **Degradation study of extended-shelf-life pasteurized milk packaging under different aging conditions** [Internet]. Frontiers in Food Science and Technology. 2025 ; 5 1-8. Available from: <https://dx.doi.org/10.3389/frfst.2025.1620402>

Ramos RA, Nascimento MR, Mayese GS, Coutinho Netto A, Souza ACZ de, Taranto GN, Pavani APG, Mourinho FA, Decker IC. **Priority-based method for allocation of PMUs in sub-transmission and distribution networks** [Internet]. IEEE Access. 2025 ; 13 1-14. Available from: <http://dx.doi.org/10.1109/ACCESS.2025.3627106>

Robazzi JVS, Derman ID, Gupta D, Haugh L, Singh YP, Pal V, Yilmaz YO, Suihong L, Dias AL, Flauzino RA, Ozbolat IT. **The synergy of artificial intelligence and 3D bioprinting: unlocking new frontiers in precision and tissue fabrication** [Internet]. Advanced Functional Materials. 2025 ; 1-47. Available from: <https://dx.doi.org/10.1002/adfm.202509530>

Santos LF dos, Zanette CLA, Vergamini EG, Maitan LN, Cunha TB. **Impedance space method: time-independent parametric ellipses for robot compliant control** [Internet]. IEEE Latin America Transactions. 2025 ; No 2025(11): 1081-1089. Available from: <https://dx.doi.org/10.1109/TLA.2025.11194775>

Sassaron ML da S, Silva ANR da, Fonseca F, Rodrigues D, Ribeiro PJG, Osaki CMN. **Combining resilience and sustainability in urban mobility: a scoping review and thematic analysis** [Internet]. Land. 2025 ; 14(10): 1-31. Available from: <https://dx.doi.org/10.3390/land14102063>

Sassaron ML da S, Silva ANR da, Fonseca F, Rodrigues D, Ribeiro PJG, Osaki CMN. **Combining resilience and sustainability in urban mobility: a scoping review and thematic analysis** [Internet]. Land. 2025 ; 14(10): 1-31. Available from: <https://dx.doi.org/10.3390/land14102063>

Saugo RA, Lima Junior FR, Carpinetti LCR, Duarte AP, Peinado J. **An approach for sustainable supplier segmentation using adaptive network-based fuzzy inference systems** [Internet]. Mathematics. 2025 ; 13(19): 1-33. Available from: <https://dx.doi.org/10.3390/math13193058>

Sone JS, Brouwer R, Oliveira PTS, Wendland EC. **Downstream willingness to pay for upstream nature-based solutions to improve water security in a thirsty brazilian megacity** [Internet]. Water Resources Research. 2025 ; 61(10): 1-19. Available from: <https://dx.doi.org/10.1029/2024WR039424>

Torres NNS, Maciel JN, Lima TL de V, Gazziro M, Lima Filho AC, Carmo JPP do, Ando Junior OH. **Fault diagnosis in internal combustion engines using artificial intelligence predictive models** [Internet]. Applied System Innovation. 2025 ; 8(5): 1-32. Available from: <http://dx.doi.org/10.3390/asi8050147>

Uchôa JGSM, Oliveira PTS, Ballarin AS, Gastmans D, Anache JAA, Scanlon BR, Camacho CR, Freddo Filho VJ, Wendland EC. **A groundwater well database for Brazil** (GWDBrazil) [Internet]. Scientific Data. 2025 ; 12 1-15. Available from: <http://dx.doi.org/10.1038/s41597-025-05843-7>

