

Aguiar AR, Rehm L, Steigmann D, Taylor M. **An asymptotic thin-plate theory derived from state-based peridynamics** [Internet]. Journal of Peridynamics and Nonlocal Modeling. 2025 ; 7(1): 1-28. Available from: <http://dx.doi.org/10.1007/s42102-025-00126-6>

Apolinário RC, Rêgo GC, Rodrigues AM, Silva DD da, Ramirez CAO, Zhou Q, Greiner C, Moreto JA, Pinto HC. **Corrosion and tribological behavior of Cr–Y–N multilayers grown by HIPIMS as a function of progressive changes in the coating architecture** [Internet]. Materials Chemistry and Physics. 2025 ;335 130496. Available from: <https://doi.org/10.1016/j.matchemphys.2025.130496>

Bermudez G, Alves MA do C, Pedro GDG, Cunha TB. **Heat it up: using robo-gym to warm-up deep reinforcement learning algorithms** [Internet]. 2024 ; Available from: <http://dx.doi.org/10.1109/LARS64411.2024.10786424>

Callado NH, Zaiat M, Sakamoto IK, Azevedo F de PF. **Produção de hidrogênio em reator anaeróbio de leito fixo a partir do processamento de água condensada da indústria sucroalcooleira** [Internet]. Engenharia Sanitária e Ambiental. 2025 ; 30 1-10. Available from: <http://dx.doi.org/10.1590/S1413-415220240037>

Campos BG, Veloso IIK, Silva MM da, Badino AC, Cruz AJG. **A novel approach to heat removal and temperature control in fed-batch extractive ethanol fermentation using CO2** [Internet]. Chemical Engineering and Processing - Process Intensification. 2025 ; 210 1-10. Available from: <https://dx.doi.org/10.1016/j.cep.2025.110212>

Casado RS, Tronco ML, Pedrino EC. **A robust method for camera calibration in noisy settings based on genetic programming** [Internet]. Proceedings. 2024 ; Available from: <https://dx.doi.org/10.1109/SMC54092.2024.10831486>

Castro GB, Corbi JJ, Fonsêca MC, Correia D, Raldúa D, Alexandre DS, Pinto TJ da S, Prats E, Faria M. **Fluoroquinolone and sulfonamide antibiotics (single and mixtures) impair the motor function of zebrafish larvae at environmentally relevant concentrations** [Internet]. Comparative Biochemistry and Physiology. Part C: Toxicology & Pharmacology. 2025 ; 290 1-12. Available from: <https://doi.org/10.1016/j.cbpc.2023.109757>

Christoforo AL, Arroyo FN, Sousa AMD de, Mascarenhas FJR, Panzera TH, Lahr FAR, Dias AMPG. **Concrete Damaged Plasticity (CDP) adjustment parameters for the application in simulations of timber or wood composite structures** [Internet]. Structures. 2025 ; 73 1-12. Available from: <http://dx.doi.org/10.1016/j.istruc.2025.108334>

Davi MJBB, Alves Junior A, Grilo CVC, Cunha TMOA, Lessa L da S, Oleskovicz M, Coury DV. **An improved methodology to locate faults in onshore wind farm collector systems** [Internet]. Energies. 2025 ; 18(3): 1-16. Available from: <https://dx.doi.org/10.3390/en18030693>

Devens KU, Ribeiro AR, Camargo FP, Sakamoto IK, Varesche MBA, Silva EL. **Two-stage versus single-stage anaerobic co-digestion on methane synthesis: energy prospects and microbial community** [Internet]. Process Safety and Environmental Protection. 2025 ; 196 1-13. Available from: <https://dx.doi.org/10.1016/j.psep.2025.106884>

Fagundes TS, Marques RC, Malheiros TF. **A comprehensive framework for water affordability analysis** [Internet]. Water Resources Management. 2025 ; 1-23. Available from: <http://dx.doi.org/10.1007/s11269-024-04076-4>

Gamboa Medina MM, Campos FS. **Water demand forecast using generalized autoregressive moving average models** [Internet]. Engineering Proceedings. 2024 ; 69(1): 1-4. Available from: <https://dx.doi.org/10.3390/engproc2024069125>

Giglio VM, Haach VG. **Optimization of ultrasonic tomography in concrete using non-linear paths through bio-inspired algorithms** [Internet]. NDT&E International. 2025 ; 152 1-15. Available from: <http://dx.doi.org/10.1016/j.ndteint.2025.103324>

Jardim PILG, Santos HF dos, Mattias LWA, De Araujo VA, Molina JC, Christoforo AL. **Wood-based columns reinforced with fiber-reinforced polymer: a systematic literature review** [Internet]. BioResources. 2025 ; 20(1): 2293-2303. Available from: <http://dx.doi.org/10.15376/biores.20.1.2293-2303>

Lopes FV, Davi MJBB, Leite Junior EJS, Reis RLA, Silva KM, Zat. G., Oleskovicz M. **Pseudo-incremental normalized quantity-based phase selection method for systems with conventional and inverter-based resources** [Internet]. IEEE Transactions on Power Delivery. 2025 ; 1-4. Available from: <http://dx.doi.org/10.1109/TPWRD.2025.3532111>

Martiniano GA, Bose Filho WW, Garcia RP, Franco SD. **Temperature effect on hydrogen embrittlement susceptibility of a high strength martensitic steel** . International Journal of Hydrogen Energy. 2025 ; 110 457-469. Available from: <https://dx.doi.org/10.1016/j.ijhydene.2025.02.253>

Paula CT, Takeda PY, Giglio GL, Damianovic MHRZ. **Nitrogen removal from multi-electrolyte saline wastewater via mainstream anammox in warm climate conditions** [Internet]. Journal of Environmental Management. 2025 ; 375 1-10. Available from: <https://dx.doi.org/10.1016/j.jenvman.2025.124271>

Rocha L, Bidinotto JH, Heintz F, Tiger M, Vivaldini KCT. **Enhancing safety via deep reinforcement learning in trajectory planning for agile flights in unknown environments** [Internet]. Proceedings. 2024 ; Available from: <https://dx.doi.org/10.1109/IROS58592.2024.10801910>

Rodrigues AV, Souza PM de, Zepon G, Carvalho AP, Figueiredo RB, Wolf W. **Determination of the critical cooling rate for quasicrystal formation in a gas-atomized Al90Cu4Fe2Cr4 (%at) alloy** [Internet]. Metallography, Microstructure, and Analysis. 2025 ; 1-8. Available from: <http://dx.doi.org/10.1007/s13632-025-01175-5>

Roldão TCB, Tibiriçá CB. **Experimental local heat transfer coefficient for subcooled flow boiling in a microchannel and new predictive method** [Internet]. Applied Thermal Engineering. 2025 ; 268 1-21. Available from: <http://dx.doi.org/10.1016/j.applthermaleng.2025.125826>

Santos FS dos, Nascimento EO do, Farooq M, Cabezas Gómez L, Bandarra Filho EP. **Enhancing heat exchanger efficiency with carbon-based nanofluids: an experimental and numerical study** [Internet]. Diamond and Related Materials. 2025 ; 153 1-11. Available from: <https://dx.doi.org/10.1016/j.diamond.2025.112019>

Soares JH da S, Boaventura TW, Moura ACA de, Silva LC da, Garcia Filho A, Landgraf RL, Mazzeo DEC, Bernardi AC de C, Nogueira AR de A, Ferreira EB, Manzani D. **Design and performance of a multicomponent glass fertilizer for nutrient delivery in precision agriculture** [Internet]. ACS Agricultural Science & Technology. 2025 ; [Available from: <https://doi.org/10.1021/acsagscitech.4c00243>

Soares JH da S, Boaventura TW, Moura ACA de, Silva LC da, Garcia Filho A, Landgraf RL, Mazzeo DEC, Bernardi AC de C, Nogueira AR de A, Ferreira EB, Manzani D. **Design and performance of a multicomponent glass fertilizer for nutrient delivery in precision agriculture** [Internet]. ACS Agricultural Science & Technology. 2025 ; Available from: <https://doi.org/10.1021/acsagscitech.4c00243>

Sylvestrin GR, Maciel JN, Amorim MLM, Carmo JPP do, Afonso JA, Lopes SF, Ando Junior OH. **State of the art in electric batteries' state-of-health (SoH) estimation with machine learning: a review** [Internet]. Energies. 2025 ; 18(3): 1-77. Available from: <https://dx.doi.org/10.3390/en18030746>

Teles DV da C, Amorim DLN de F, Leonel ED. **The failure prediction of reinforced composite quasi-brittle structures by an improved version of the extended lumped damage approach** [Internet]. International Journal for Numerical Methods in Engineering. 2025 ; 126 1-18. Available from: <http://dx.doi.org/10.1002/nme.70006>



Março de 2025.