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🌐 <https://lucianomarchezan.github.io/>

🎓 <https://scholar.google.com/citations?user=26yB7xkAAAAJ&hl>

📈 Citations: 412, h-index: 11



Top 3 Most Relevant Publications (sorted by date)

- 2026 **📌 Dependency-aware model repair: prioritizing repairs through consistency rule and inconsistency analysis** (*Software and Systems Modeling*). This is the core contribution of my PhD thesis. It introduces a novel dependency-aware approach for model repair that prioritizes fixes based on their global impact, enabling more effective consistency maintenance. Demonstrates strong empirical results and extends our prior award-winning work (SANER 2024 Distinguished Paper Award).
- 2023 **📌 Fulfilling Industrial Needs for Consistency Among Engineering Artifacts** (*ICSE-SEIP*). In this paper, we demonstrate a real-world applicability of my PhD research in collaboration with industry. It provides a scalable solution for maintaining consistency across heterogeneous engineering artifacts, validated on large industrial systems (20k+ elements) with real-time feedback.
- 2020 **📌 Systematic mapping study on domain-specific language development tools** (*Empirical Software Engineering*). This large-scale SMS (230 papers, 59 tools) maps the landscape of DSL development environments, including methods, tools, and empirical evaluations. It is highly cited (100+ citations) and widely used as a reference for decision-making in DSL engineering and beyond.