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| **SI** | **Paper** |
| 1 | [Code Structure–Guided Transformer](https://dl.acm.org/doi/full/10.1145/3522674) |
| 2 | [Towards Summarizing Code Snippets](https://dl.acm.org/doi/abs/10.1145/3643916.3644400) |
| 3 | [Calibrating\_Deep\_Learning-based\_Code](https://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=10356395) |
| 4 | [Dimensionally Reduction based Machine Learning](https://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=9862030) |
| 5 | Detecting Code Smell with a Deep Learning System |
| 6 | Machine Learning Powered Code Smell Detection as a Business Improvement Tool |
| 7 | Detection Bad Code Smells By Using Deep Machine Learning Approaches |
| 8 | StructCoder Structure-Aware Transformer for Code Generation |
| 9 | [Towards Summarizing Code Snippets Using Pre-Trained Transformers](https://arxiv.org/abs/2402.00519) |
| 10 | BinaryAI - Binary Software Composition Analysis via Intelligent Binary Source Code Matching |
| 11 | Naturalness of Attention: Revisiting Attention in Code Language Models |
| 12 | Enhancing Code Understanding for Impact Analysis by Combining Transformers and Program Dependence Graphs |
| 13 | [Automating Code-Related Tasks Through Transformers: The Impact of Pre-Training](https://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=10172872) |
| 14 | [FedCSD: A Federated Learning Based Approach for Code-Smell Detection](https://arxiv.org/abs/2306.00038) |
| 15 | [VulD-Transformer: Source Code Vulnerability Detection via Transformer](https://dl.acm.org/doi/abs/10.1145/3609437.3609451) |
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| 17 | [Code Smell Detection using Hybrid Machine Learning Algorithms](https://ieeexplore-ieee-org.ezproxy.uta.edu/document/10220911) |
| 18 | [MARS: Detecting brain class/method code smell based on metric–attention mechanism and residual network](https://onlinelibrary-wiley-com.ezproxy.uta.edu/doi/10.1002/smr.2403) |
| 19 | [Improving performance with hybrid feature selection and ensemble machine learning techniques for code smell detection](https://www.sciencedirect.com/science/article/abs/pii/S0167642321001064) |
| 20 | [Python code smell detection using machine learning](https://ieeexplore-ieee-org.ezproxy.uta.edu/stamp/stamp.jsp?tp=&arnumber=10049330) |
| 21 | [An Empirical Study of Code Smells in Transformer-based Code Generation Techniques](https://ieeexplore-ieee-org.ezproxy.uta.edu/stamp/stamp.jsp?tp=&arnumber=10006873) |
| 22 | [Voting Heterogeneous Ensemble for Code Smell Detection](https://ieeexplore-ieee-org.ezproxy.uta.edu/stamp/stamp.jsp?tp=&arnumber=9679998) |
| 23 | [Applying Machine Learning to Customized Smell Detection: AMulti-Project Study](https://dl-acm-org.ezproxy.uta.edu/doi/10.1145/3422392.3422427) |
| 24 | [Predicting Code Smells and Analysis of Predictions: Using Machine Learning Techniques and Software Metrics](https://link-springer-com.ezproxy.uta.edu/article/10.1007/s11390-020-0323-7) |
| 25 | [A machine-learning based ensemble method for anti-patterns detection](https://www.sciencedirect.com/science/article/pii/S0164121219302602/pdfft?casa_token=L8WLbNXmV1wAAAAA:lE0-K6Ft_dEp7c1cWtAuTcFaZSLKlFu60B8cP3ozjY9opm9MSzIWSNimU52Kj1VSWSGkSlqLtx4&md5=0a5231c5dd8c6aeb8ae8449622625ecf&pid=1-s2.0-S0164121219302602-main.pdf) |
| 26 | [A large empirical assessment of the role of data balancing in machine-learning-based code smell detection](https://www.sciencedirect.com/science/article/pii/S0164121220301448/pdfft?casa_token=5WYNkLs4MusAAAAA:T8QZOyI8t7pKci8M7_UWAn5q3PcnRDYAWEt9yXX2-i9rewv5sDBtYZVDyGUk0lkuKV9QYFxEgi0&md5=edc82a25e92b13c46bd54918b3165b8e&pid=1-s2.0-S0164121220301448-main.pdf) |
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| 28 | Machine learning techniques for code smells detection: an empirical experiment on a highly imbalanced setup |
| 29 | [Sniffing Android Code Smells: An Association Rules Mining-Based Approach](https://ieeexplore-ieee-org.ezproxy.uta.edu/document/8816887) |
| 30 | [Comparing heuristic and machine learning approaches for metric-based code smell detection](https://ieeexplore-ieee-org.ezproxy.uta.edu/document/8813271) |
| 31 | [Smells are sensitive to developers! on the efficiency of (un)guided customized detection](https://ieeexplore-ieee-org.ezproxy.uta.edu/document/7961509) |
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| 33 | [Comparison of Multi-Label Classification Algorithms for Code Smell Detection](https://ieeexplore-ieee-org.ezproxy.uta.edu/document/8932855) |
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