# Emad Shihab

## List of Publications by Year
in descending order

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|---|---|---|---|
| 48 papers | 1,798 citations | 516215 16 h-index | 454577 30 g-index |
| 49 all docs | 49 docs citations | 49 times ranked | 933 citing authors |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 1 | What are mobile developers asking about? A large scale study using stack overflow. Empirical Software Engineering, 2016, 21, 1192-1223. | 3.0 | 213 |
| 2 | An Exploratory Study on Self-Admitted Technical Debt. , 2014, , . | | 160 |
| 3 | Using Natural Language Processing to Automatically Detect Self-Admitted Technical Debt. IEEE Transactions on Software Engineering, 2017, 43, 1044-1062. | 4.3 | 128 |
| 4 | Identifying self-admitted technical debt in open source projects using text mining. Empirical Software Engineering, 2018, 23, 418-451. | 3.0 | 118 |
| 5 | Detecting and quantifying different types of self-admitted technical Debt. , 2015, , . | | 82 |
| 6 | Defect Prediction: Accomplishments and Future Challenges. , 2016, , . | | 75 |
| 7 | A Quantitative Comparison of Overlapping and Non-Overlapping Sliding Windows for Human Activity Recognition Using Inertial Sensors. Sensors, 2019, 19, 5026. | 2.1 | 73 |
| 8 | Examining the Impact of Self-Admitted Technical Debt on Software Quality. , 2016, , . | | 66 |
| 9 | Future Trends in Software Engineering Research for Mobile Apps. , 2016, , . | | 64 |
| 10 | Automatic, high accuracy prediction of reopened bugs. Automated Software Engineering, 2015, 22, 75-109. | 2.2 | 54 |
| 11 | An Empirical Study on the Removal of Self-Admitted Technical Debt. , 2017, , . | | 52 |
| 12 | What do Programmers Discuss about Deep Learning Frameworks. Empirical Software Engineering, 2020, 25, 2694-2747. | 3.0 | 50 |
| 13 | A survey of self-admitted technical debt. Journal of Systems and Software, 2019, 152, 70-82. | 3.3 | 49 |
| 14 | Class Imbalance Evolution and Verification Latency in Just-in-Time Software Defect Prediction. , 2019, , . | | 46 |
| 15 | Automating Change-Level Self-Admitted Technical Debt Determination. IEEE Transactions on Software Engineering, 2019, 45, 1211-1229. | 4.3 | 45 |
| 16 | A Comparison of Natural Language Understanding Platforms for Chatbots in Software Engineering. IEEE Transactions on Software Engineering, 2022, 48, 3087-3102. | 4.3 | 40 |
| 17 | Studying and detecting log-related issues. Empirical Software Engineering, 2018, 23, 3248-3280. | 3.0 | 38 |
| 18 | Empirical Analysis of Security Vulnerabilities in Python Packages. , 2021, , . | | 37 |

| # | Article | IF | Citations |
|---|---------|----|-----------|
| 19 | Studying high impact fix-inducing changes. Empirical Software Engineering, 2016, 21, 605-641. | 3.0 | 33 |
| 20 | Cross-project build co-change prediction. , 2015, , . | | 32 |
| 21 | Automated Bug Report Field Reassignment and Refinement Prediction. IEEE Transactions on Reliability, 2016, 65, 1094-1113. | 3.5 | 27 |
| 22 | MSRBot: Using bots to answer questions from software repositories. Empirical Software Engineering, 2020, 25, 1834-1863. | 3.0 | 26 |
| 23 | Test Re-Prioritization in Continuous Testing Environments. , 2018, , . | | 24 |
| 24 | A Machine Learning Approach to Improve the Detection of CI Skip Commits. IEEE Transactions on Software Engineering, 2021, 47, 2740-2754. | 4.3 | 22 |
| 25 | On the impact of using trivial packages: an empirical case study on npm and PyPI. Empirical Software Engineering, 2020, 25, 1168-1204. | 3.0 | 22 |
| 26 | Which Commits Can Be CI Skipped?. IEEE Transactions on Software Engineering, 2021, 47, 448-463. | 4.3 | 22 |
| 27 | On the Use of Dependabot Security Pull Requests. , 2021, , . | | 19 |
| 28 | Towards Detecting Biceps Muscle Fatigue in Gym Activity Using Wearables. Sensors, 2021, 21, 759. | 2.1 | 18 |
| 29 | Dependency Smells in JavaScript Projects. IEEE Transactions on Software Engineering, 2022, 48, 3790-3807. | 4.3 | 16 |
| 30 | PerfJIT: Test-Level Just-in-Time Prediction for Performance Regression Introducing Commits. IEEE Transactions on Software Engineering, 2022, 48, 1529-1544. | 4.3 | 15 |
| 31 | Human Activity Recognition: A Comparative Study to Assess the Contribution Level of Accelerometer, ECG, and PPG Signals. Sensors, 2021, 21, 6997. | 2.1 | 15 |
| 32 | Empirical study on the discrepancy between performance testing results from virtual and physical environments. Empirical Software Engineering, 2018, 23, 1490-1518. | 3.0 | 14 |
| 33 | Practical Software Quality Prediction. , 2014, , . | | 13 |
| 34 | It Takes Two to Tango: Deleted Stack Overflow Question Prediction with Text and Meta Features. , 2016, , . | | 12 |
| 35 | Examining User Complaints of Wearable Apps: A Case Study on Android Wear. , 2017, , . | | 12 |
| 36 | How Are Discussions Associated with Bug Reworking?. , 2016, , . | | 10 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | An exploratory study on the introduction and removal of different types of technical debt in deep learning frameworks. Empirical Software Engineering, 2021, 26, 1. | 3.0 | 9 |
| 38 | An empirical study of Android Wear user complaints. Empirical Software Engineering, 2018, 23, 3476-3502. | 3.0 | 7 |
| 39 | Is Self-Admitted Technical Debt a Good Indicator of Architectural Divergences?. , 2019, , . | | 7 |
| 40 | On the Impact of Biceps Muscle Fatigue in Human Activity Recognition. Sensors, 2021, 21, 1070. | 2.1 | 7 |
| 41 | Helping or not helping? Why and how trivial packages impact the npm ecosystem. Empirical Software Engineering, 2021, 26, 1. | 3.0 | 7 |
| 42 | Toward the Personalization of Biceps Fatigue Detection Model for Gym Activity: An Approach to Utilize Wearablesâ€™ Data from the Crowd. Sensors, 2022, 22, 1454. | 2.1 | 6 |
| 43 | On the Untriviality of Trivial Packages: An Empirical Study of npm JavaScript Packages. IEEE Transactions on Software Engineering, 2022, 48, 2695-2708. | 4.3 | 5 |
| 44 | Toward Using Package Centrality Trend to Identify Packages in Decline. IEEE Transactions on Engineering Management, 2022, 69, 3618-3632. | 2.4 | 4 |
| 45 | Breaking Type Safety in Go: An Empirical Study on the Usage of the unsafe Package. IEEE Transactions on Software Engineering, 2022, 48, 2277-2294. | 4.3 | 2 |
| 46 | On Wasted Contributions: Understanding the Dynamics of Contributor-Abandoned Pull Requestsâ€"A Mixed-Methods Study of 10 Large Open-Source Projects. ACM Transactions on Software Engineering and Methodology, 2023, 32, 1-39. | 4.8 | 2 |
| 47 | Guest editorial: special section on predictive models and data analytics in software engineering. Empirical Software Engineering, 2019, 24, 3151-3152. | 3.0 | 0 |
| 48 | The Impact of Data Reduction on Wearable-Based Human Activity Recognition. , 2019, , . | | 0 |