

# Dimitri Van Landuyt

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/764363/publications.pdf>

Version: 2024-02-01

79  
papers

658  
citations

1039406

9  
h-index

996533

15  
g-index

81  
all docs

81  
docs citations

81  
times ranked

336  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | A descriptive study of assumptions in STRIDE security threat modeling. Software and Systems Modeling, 2022, 21, 2311-2328.   | 2.2 | 5         |
| 2  | CryptDICE: Distributed data protection system for secure cloud data storage and computation. Information Systems, 2021, 96, 101671.                                      | 2.4 | 25        |
| 3  | Thread-level resource consumption control of tenant custom code in a shared JVM for multi-tenant SaaS. Future Generation Computer Systems, 2021, 115, 351-364.           | 4.9 | 7         |
| 4  | Threat modeling at run time: the case for reflective and adaptive threat management (NIER track). , 2021, , .  |     | 4         |
| 5  | The architectural divergence problem in security and privacy of eHealth IoT product lines. , 2021, , .   |     | 3         |
| 6  | Shared memory protection in a multi-tenant JVM. , 2021, , .  |     | 0         |
| 7  | An Overview of Runtime Data Protection Enforcement Approaches. , 2021, , .   |     | 2         |
| 8  | Automated Threat Analysis and Management in a Continuous Integration Pipeline. , 2021, , .   |     | 6         |
| 9  | A descriptive study of assumptions made in LINDDUN privacy threat elicitation. , 2020, , .   |     | 10        |
| 10 | Threat modeling. , 2020, , .   |     | 9         |
| 11 | Managing Feature Compatibility in Kubernetes: Vendor Comparison and Analysis. IEEE Access, 2020, 8, 228420-228439.   | 2.6 | 5         |
| 12 | Security Threat Modeling. , 2020, , .  |     | 10        |
| 13 | The Never-Ending Story: On the Need for Continuous Privacy Impact Assessment. , 2020, , .  |     | 5         |
| 14 | Operationalization of Privacy and Security Requirements for eHealth IoT Applications in the Context of GDPR and CSL. Lecture Notes in Computer Science, 2020, , 143-160. | 1.0 | 1         |
| 15 | The Bigger Picture: Approaches to Inter-organizational Data Protection Impact Assessment. Lecture Notes in Computer Science, 2020, , 283-293.                            | 1.0 | 2         |
| 16 | A Workload-Driven Document Database Schema Recommender (DBSR). Lecture Notes in Computer Science, 2020, , 471-484.   | 1.0 | 2         |
| 17 | On the Applicability of Security and Privacy Threat Modeling for Blockchain Applications. Lecture Notes in Computer Science, 2020, , 195-203.                            | 1.0 | 2         |
| 18 | Authenticated and auditable data sharing via smart contract. , 2020, , .   |     | 5         |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | Knowledge is Power: Systematic Reuse of Privacy Knowledge for Threat Elicitation. , 2019, , .  |     | 4         |
| 20 | SCOPE: self-adaptive and policy-based data management middleware for federated clouds. Journal of Internet Services and Applications, 2019, 10, .  | 1.6 | 17        |
| 21 | Object to NoSQL Database Mappers (ONDM): A systematic survey and comparison of frameworks. Information Systems, 2019, 85, 1-20.  | 2.4 | 9         |
| 22 | An Architectural View for Data Protection by Design. , 2019, , .   |     | 15        |
| 23 | A Comprehensive Feature Comparison Study of Open-Source Container Orchestration Frameworks. Applied Sciences (Switzerland), 2019, 9, 931.  | 1.3 | 22        |
| 24 | Privacy Risk Assessment for Data Subject-Aware Threat Modeling. , 2019, , .  |     | 13        |
| 25 | A Data Utility-Driven Benchmark for De-identification Methods. Lecture Notes in Computer Science, 2019, , 63-77.   | 1.0 | 5         |
| 26 | Analysis of architectural variants for auditable blockchain-based private data sharing. , 2019, , .  |     | 7         |
| 27 | Performance overhead of container orchestration frameworks for management of multi-tenant database deployments. , 2019, , .  |     | 8         |
| 28 | A comparison of system description models for data protection by design. , 2019, , .   |     | 10        |
| 29 | Continuous and Client-centric Trust Monitoring in Multi-cloud Storage. , 2019, , .   |     | 0         |
| 30 | Journal First Presentation of a Comparative Study of Workflow Customization Strategies. , 2019, , .  |     | 0         |
| 31 | On the Performance Impact of Data Access Middleware for NoSQL Data Stores A Study of the Trade-Off between Performance and Migration Cost. IEEE Transactions on Cloud Computing, 2018, 6, 843-856. | 3.1 | 13        |
| 32 | PERSIST: Policy-Based Data Management Middleware for Multi-Tenant SaaS Leveraging Federated Cloud Storage. Journal of Grid Computing, 2018, 16, 165-194.   | 2.5 | 13        |
| 33 | Risk-based design security analysis. , 2018, , .   |     | 17        |
| 34 | Transparent IO access control for application-level tenant isolation. , 2018, , .  |     | 0         |
| 35 | K8-scalar. , 2018, , .   |     | 14        |
| 36 | Evaluation of Container Orchestration Systems for Deploying and Managing NoSQL Database Clusters. , 2018, , .  |     | 4         |

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|----|---|-----|-----------|
| 37 | SPARTA: Security & Privacy Architecture Through Risk-Driven Threat Assessment. , 2018, , .  |     | 27        |
| 38 | Knowledge-enriched security and privacy threat modeling. , 2018, , .  |     | 1         |
| 39 | Interaction-Based Privacy Threat Elicitation. , 2018, , .   |     | 15        |
| 40 | A comparative study of workflow customization strategies: Quality implications for multi-tenant SaaS. Journal of Systems and Software, 2018, 144, 423-438.  | 3.3 | 8         |
| 41 | Solution-aware data flow diagrams for security threat modeling. , 2018, , .   |     | 26        |
| 42 | Effective and efficient privacy threat modeling through domain refinements. , 2018, , .   |     | 14        |
| 43 | Towards PaaS Offering of BPMN 2.0 Engines: A Proposal for Service-Level Tenant Isolation. Communications in Computer and Information Science, 2018, , 5-19. | 0.4 | 1         |
| 44 | Object-NoSQL Database Mappers: a benchmark study on the performance overhead. Journal of Internet Services and Applications, 2017, 8, .                     | 1.6 | 15        |
| 45 | On the State of NoSQL Benchmarks. , 2017, , .   |     | 17        |
| 46 | Towards an Adaptive Middleware for Efficient Multi-Cloud Data Storage. , 2017, , .  |     | 22        |
| 47 | Towards a Platform for Empirical Software Design Studies. , 2017, , .   |     | 1         |
| 48 | Middleware for Dynamic Upgrade Activation and Compensations in Multi-tenant SaaS. Lecture Notes in Computer Science, 2017, , 340-348.                       | 1.0 | 3         |
| 49 | Leveraging NoSQL for Scalable and Dynamic Data Encryption in Multi-tenant SaaS. , 2017, , .   |     | 2         |
| 50 | Schema design support for semi-structured data: Finding the sweet spot between NF and De-NF. , 2017, , .  |     | 4         |
| 51 | Towards scalable and dynamic data encryption for multi-tenant SaaS. , 2017, , .   |     | 3         |
| 52 | Scalable and manageable customization of workflows in multi-tenant SaaS offerings. , 2016, , .  |     | 6         |
| 53 | Towards systematically addressing security variability in software product lines. , 2016, , .   |     | 5         |
| 54 | Automated workflow regression testing for multi-tenant SaaS: integrated support in self-service configuration dashboard. , 2016, , .                        |     | 4         |

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|----|---|-----|-----------|
| 55 | Towards a container-based architecture for multi-tenant SaaS applications. , 2016, , .  |     | 28        |
| 56 | Systematic quality trade-off support in the software product-line configuration process. , 2016, , .  |     | 5         |
| 57 | Evolving multi-tenant SaaS applications through self-adaptive upgrade enactment and tenant mediation. , 2016, , .                                     |     | 5         |
| 58 | Automated regression testing of BPMN 2.0 processes: a capture and replay framework for continuous delivery. , 2016, , .                               |     | 3         |
| 59 | Expressive Data Storage Policies for Multi-cloud Storage Configurations. , 2015, , .  |     | 1         |
| 60 | Middleware for Customizable Multi-staged Dynamic Upgrades of Multi-tenant SaaS Applications. , 2015, , .  |     | 5         |
| 61 | Policy-Driven Data Management Middleware for Multi-cloud Storage in Multi-tenant SaaS. , 2015, , .  |     | 12        |
| 62 | Adaptive Performance Isolation Middleware for Multi-tenant SaaS. , 2015, , .  |     | 12        |
| 63 | On the Role of Early Architectural Assumptions in Quality Attribute Scenarios: A Qualitative and Quantitative Study. , 2015, , .                      |     | 2         |
| 64 | On the suitability of black-box performance monitoring for SLA-driven cloud provisioning scenarios. , 2015, , .                                       |     | 2         |
| 65 | Variability middleware for multi-tenant SaaS applications. , 2015, , .  |     | 12        |
| 66 | PaaS Hopper: Policy-driven middleware for multi-PaaS environments. Journal of Internet Services and Applications, 2015, 6, .                          | 1.6 | 10        |
| 67 | Continuous Evolution of Multi-tenant SaaS Applications: A Customizable Dynamic Adaptation Approach. , 2015, , .                                       |     | 8         |
| 68 | Towards managing variability in the safety design of an automotive hall effect sensor. , 2014, , .  |     | 7         |
| 69 | Efficient customization of multi-tenant Software-as-a-Service applications with service lines. Journal of Systems and Software, 2014, 91, 48-62.      | 3.3 | 55        |
| 70 | Modularizing Early Architectural Assumptions in Scenario-Based Requirements. Lecture Notes in Computer Science, 2014, , 170-184.                      | 1.0 | 5         |
| 71 | Building a Customizable Business-Process-as-a-Service Application with Current State-of-Practice. Lecture Notes in Computer Science, 2013, , 113-127. | 1.0 | 10        |
| 72 | Federated Authorization for Software-as-a-Service Applications. Lecture Notes in Computer Science, 2013, , 342-359.                                   | 1.0 | 7         |

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|----|--|-----|-----------|
| 73 | On the modularity impact of architectural assumptions. , 2012, , .   |     | 2         |
| 74 | Documenting Early Architectural Assumptions in Scenario-Based Requirements. , 2012, , .  |     | 4         |
| 75 | Discovery of Stable Abstractions for Aspect-Oriented Composition in the Car Crash Management Domain. Lecture Notes in Computer Science, 2010, , 375-422. | 1.0 | 2         |
| 76 | Automating the discovery of stable domain abstractions for reusable aspects. , 2009, , .   |     | 2         |
| 77 | Domain-driven discovery of stable abstractions for pointcut interfaces. , 2009, , .  |     | 8         |
| 78 | A domain-specific middleware layer using AOSD. , 2008, , .   |     | 1         |
| 79 | Comparative Evaluation of Converged Service-Oriented Architectures. , 2007, , .  |     | 2         |