Mario Gerardo Piattini Velthuis

List of Publications by Year in Descending Order

 $\textbf{Source:} \ https://exaly.com/author-pdf/5847627/mario-gerardo-piattini-velthuis-publications-by-year.pdf$

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

534 papers

6,348 citations

39 h-index 59 g-index

576 ext. papers

7,543 ext. citations

1.6 avg, IF

6.1 L-index

| # | Paper | IF | Citations |
|-----|---|-----|-----------|
| 534 | A checklist for the evaluation of software process line approaches. <i>Information and Software Technology</i> , 2022 , 146, 106864 | 3.4 | 2 |
| 533 | Application of ISO/IEC TR 33014 to the improvement of Green IT processes. <i>Computer Standards and Interfaces</i> , 2022 , 82, 103611 | 3.5 | |
| 532 | BR4DQ: A methodology for classifying business rules for data quality evaluation. <i>Information Systems</i> , 2022 , 102058 | 2.7 | |
| 531 | The role of awareness and gamification on technical debt management. <i>Information and Software Technology</i> , 2022 , 106946 | 3.4 | |
| 530 | Governance and Management of Green IT 2021 , 243-267 | | |
| 529 | Introduction to Software Sustainability 2021 , 1-15 | | О |
| 528 | Using an Educational Mobile Application for Learning the Essence 1.2 Kernel Alphas. <i>IEEE Latin America Transactions</i> , 2021 , 19, 625-633 | 0.7 | O |
| 527 | Carrot and Stick approaches revisited when managing Technical Debt in an educational context 2021 , | | 1 |
| 526 | Modelling Quantum Circuits with UML 2021 , | | 5 |
| 525 | Data quality certification using ISO/IEC 25012: Industrial experiences. <i>Journal of Systems and Software</i> , 2021 , 176, 110938 | 3.3 | 5 |
| 524 | Software modernization to embrace quantum technology. <i>Advances in Engineering Software</i> , 2021 , 151, 102933 | 3.6 | 16 |
| 523 | Governance and Management of Green IT: A Multi-Case Study. <i>Information and Software Technology</i> , 2021 , 129, 106414 | 3.4 | 4 |
| 522 | ArchiRevReverse engineering of information systems toward ArchiMate models. An industrial case study. <i>Journal of Software: Evolution and Process</i> , 2021 , 33, e2314 | 1 | 1 |
| 521 | What Makes Agile Software Development Agile. IEEE Transactions on Software Engineering, 2021, 1-1 | 3.5 | 3 |
| 520 | A Systematic Mapping Study on Analysis of Code Repositories. <i>Informatica</i> , 2021 , 619-660 | 2.9 | 1 |
| 519 | A New Path to Create Solutions for Quantum Annealing Problems. <i>Journal of Quantum Information Science</i> , 2021 , 11, 112-123 | 0.8 | О |
| 518 | Towards a Set of Metrics for Quantum Circuits Understandability. <i>Communications in Computer and Information Science</i> , 2021 , 239-249 | 0.3 | 1 |

(2020-2021)

| 517 | System quality and security certification in seven weeks: A multi-case study in Spanish SMEs. Journal of Systems and Software, 2021 , 178, 110960 | 3.3 | |
|-----|--|-------|----|
| 516 | A method for transforming knowledge discovery metamodel to ArchiMate models. <i>Software and Systems Modeling</i> , 2021 , 1-26 | 1.9 | |
| 515 | Quantum Computing. IEEE Software, 2021, 38, 7-15 | 1.5 | 2 |
| 514 | . IT Professional, 2021 , 23, 62-66 | 1.9 | 15 |
| 513 | KDM to UML Model Transformation for Quantum Software Modernization. <i>Communications in Computer and Information Science</i> , 2021 , 211-224 | 0.3 | O |
| 512 | Software Development Process Assessment With MMIS v.2, an ISO/IEC 33000-Based Model. <i>IT Professional</i> , 2021 , 23, 17-23 | 1.9 | O |
| 511 | An architecture for software engineering gamification. <i>Tsinghua Science and Technology</i> , 2020 , 25, 776- | 79.4 | 7 |
| 510 | Risk management in the software life cycle: A systematic literature review. <i>Computer Standards and Interfaces</i> , 2020 , 71, 103431 | 3.5 | 8 |
| 509 | Requirements for adopting software process lines. <i>Journal of Systems and Software</i> , 2020 , 164, 110546 | 3.3 | 3 |
| 508 | A decision-making support system for Enterprise Architecture Modelling. <i>Decision Support Systems</i> , 2020 , 131, 113249 | 5.6 | 4 |
| 507 | Special issue on quality management for information systems. Software Quality Journal, 2020, 28, 891-8 | 39.42 | |
| 506 | Global software development governance: Challenges and solutions. <i>Journal of Software: Evolution and Process</i> , 2020 , 32, e2266 | 1 | 6 |
| 505 | Quantum Computing. Software Engineering Notes: an Informal Newsletter of the Special Interest Committee on Software Engineering / ACM, 2020, 45, 12-14 | 0.4 | 30 |
| 504 | Measuring the Maturity of BizDevOps. Communications in Computer and Information Science, 2020, 199- | 21.9 | 1 |
| 503 | Adapting COBIT for Quantum Computing Governance. <i>Communications in Computer and Information Science</i> , 2020 , 274-283 | 0.3 | 1 |
| 502 | Architecting business process maps. Computer Science and Information Systems, 2020, 17, 117-139 | 0.8 | 5 |
| 501 | Reverse Engineering of Quantum Programs Toward KDM Models. <i>Communications in Computer and Information Science</i> , 2020 , 249-262 | 0.3 | 4 |
| 500 | Using web-based gamified software to learn Boolean algebra simplification in a blended learning setting. <i>Computer Applications in Engineering Education</i> , 2020 , 28, 1591-1611 | 1.6 | 3 |

| 499 | Application of ISO/IEC 33000 to Green IT: A Case Study. IEEE Access, 2019, 7, 116380-116389 | 3.5 | 2 |
|-----|---|-----|----|
| 498 | Assessing the greenability of ensembles 2019 , | | 1 |
| 497 | Enterprise Architecture. <i>IEEE Software</i> , 2019 , 36, 12-19 | 1.5 | 5 |
| 496 | A systematic mapping study on enterprise architecture mining. <i>Enterprise Information Systems</i> , 2019 , 13, 675-718 | 3.5 | 12 |
| 495 | Application of ISO 14000 to Information Technology Governance and Management. <i>Computer Standards and Interfaces</i> , 2019 , 65, 180-202 | 3.5 | 9 |
| 494 | Software Verification and Validation Technologies and Tools. <i>IEEE Software</i> , 2019 , 36, 13-24 | 1.5 | 15 |
| 493 | Towards a Reference Architecture for ADM-based Modernization Tools 2019, | | 1 |
| 492 | A Teaching Experience on Information Systems Auditing. <i>Advances in Intelligent Systems and Computing</i> , 2019 , 114-122 | 0.4 | |
| 491 | Maturity model based on CMMI for governance and management of Green IT. <i>IET Software</i> , 2019 , 13, 555-563 | 1 | 5 |
| 490 | Business process model refactoring applying IBUPROFEN. An industrial evaluation. <i>Journal of Systems and Software</i> , 2019 , 147, 86-103 | 3.3 | 11 |
| 489 | Green IT Governance and Management based on ISO/IEC 15504. <i>Computer Standards and Interfaces</i> , 2018 , 60, 26-36 | 3.5 | 10 |
| 488 | Interactions between environmental sustainability goals and software product quality: A mapping study. <i>Information and Software Technology</i> , 2018 , 95, 108-129 | 3.4 | 25 |
| 487 | A systematic mapping study about socio-technical congruence. <i>Information and Software Technology</i> , 2018 , 94, 111-129 | 3.4 | 6 |
| 486 | Artifact-based vs. human-perceived understandability and modifiability of refactored business processes: An experiment. <i>Journal of Systems and Software</i> , 2018 , 144, 143-164 | 3.3 | 6 |
| 485 | Data Quality Best Practices in IoT Environments 2018, | | 6 |
| 484 | From big data to smart data: a data quality perspective 2018 , | | 6 |
| 483 | . IEEE Software, 2018 , 35, 62-67 | 1.5 | 4 |
| 482 | An empirical study on how project context impacts on code cloning. <i>Journal of Software: Evolution and Process</i> , 2018 , 30, e2115 | 1 | |

(2016-2018)

| 481 | DAQUA-MASS: An ISO 8000-61 Based Data Quality Management Methodology for Sensor Data. <i>Sensors</i> , 2018 , 18, | 3.8 | 9 |
|--------------------------|---|---------------|--------------|
| 480 | Fostering Knowledge Reuse in Communities of Practice by Using a Trust Model and Agents. <i>International Journal of Information Technology and Decision Making</i> , 2017 , 16, 1409-1439 | 2.8 | |
| 479 | A case study about the improvement of business process models driven by indicators. <i>Software and Systems Modeling</i> , 2017 , 16, 759-788 | 1.9 | 7 |
| 478 | MAMD 2.0: Environment for data quality processes implantation based on ISO 8000-6X and ISO/IEC 33000. <i>Computer Standards and Interfaces</i> , 2017 , 54, 139-151 | 3.5 | 10 |
| 477 | A framework for gamification in software engineering. <i>Journal of Systems and Software</i> , 2017 , 132, 21-4 | 40 3.3 | 48 |
| 476 | Towards a service architecture for master data exchange based on ISO 8000 with support to process large datasets. <i>Computer Standards and Interfaces</i> , 2017 , 54, 94-104 | 3.5 | 12 |
| 475 | Big Data DBMS Assessment: A Systematic Mapping Study. <i>Lecture Notes in Computer Science</i> , 2017 , 96-7 | 11:09 | 1 |
| 474 | Green IT maturity models: A systematic mapping study 2017 , | | 2 |
| 473 | A classification approach of sustainability aware requirements methods 2017, | | 6 |
| 472 | Puzzling out Software Sustainability. Sustainable Computing: Informatics and Systems, 2017, 16, 117-124 | 1 3 | 25 |
| | | <i>J</i> | |
| 471 | Serious Games When Used to Learn Software Processes: An Analysis from a Pedagogical Perspective 2017 , | | 1 |
| 471 470 | | 3.6 | 1 |
| | Perspective 2017, | | |
| 470 | Perspective 2017, A Governance and Management Framework for Green IT. Sustainability, 2017, 9, 1761 A SPICE-Based Maturity Model for the Governance and Management of Green IT. Communications | 3.6 | 19 |
| 470 469 | Perspective 2017, A Governance and Management Framework for Green IT. Sustainability, 2017, 9, 1761 A SPICE-Based Maturity Model for the Governance and Management of Green IT. Communications in Computer and Information Science, 2017, 143-155 A research framework for building SPI proposals in small organizations: the COMPETISOFT | 3.6 | 19 |
| 47° 469 468 | Perspective 2017, A Governance and Management Framework for Green IT. Sustainability, 2017, 9, 1761 A SPICE-Based Maturity Model for the Governance and Management of Green IT. Communications in Computer and Information Science, 2017, 143-155 A research framework for building SPI proposals in small organizations: the COMPETISOFT experience. Software Quality Journal, 2016, 24, 489-518 A Process Support with Which to Identify Interactions Between Quality Characteristics. | 3.6 0.3 | 19 1 3 |
| 47° 469 468 467 | A Governance and Management Framework for Green IT. Sustainability, 2017, 9, 1761 A SPICE-Based Maturity Model for the Governance and Management of Green IT. Communications in Computer and Information Science, 2017, 143-155 A research framework for building SPI proposals in small organizations: the COMPETISOFT experience. Software Quality Journal, 2016, 24, 489-518 A Process Support with Which to Identify Interactions Between Quality Characteristics. Communications in Computer and Information Science, 2016, 21-39 | 3.6 0.3 | 19 1 3 |

| 463 | MAMD: Towards a Data Improvement Model Based on ISO 8000-6X and ISO/IEC 33000. <i>Communications in Computer and Information Science</i> , 2016 , 241-253 | 0.3 | 1 |
|-----------------|--|-----|-----|
| 462 | Applying the Action-Research Method to Develop a Methodology to Reduce the Installation and Maintenance Times of Information Security Management Systems. <i>Future Internet</i> , 2016 , 8, 36 | 3.3 | 1 |
| 461 | Applying a Serious Game Quality Model. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering,</i> 2016 , 12-20 | 0.2 | |
| 460 | Empowering global software development with business intelligence. <i>Information and Software Technology</i> , 2016 , 76, 81-91 | 3.4 | 3 |
| 459 | PAIS-DQ: Extending process-aware information systems to support data quality in PAIS life-cycle 2016 , | | 1 |
| 45 ⁸ | GSDgame: A Serious Game for the Acquisition of the Competencies Needed in GSD 2016 , | | 2 |
| 457 | Visualisation environment for global software development management. <i>IET Software</i> , 2015 , 9, 51-64 | 1 | 4 |
| 456 | A Systematic Mapping Study on Gamified Software Quality 2015 , | | 7 |
| 455 | I8K DQ-BigData: I8K Architecture Extension for Data Quality in Big Data. <i>Lecture Notes in Computer Science</i> , 2015 , 164-172 | 0.9 | 3 |
| 454 | PROW: A Pairwise algorithm with constRaints, Order and Weight. <i>Journal of Systems and Software</i> , 2015 , 99, 1-19 | 3.3 | 6 |
| 453 | Gamification in software engineering 🛭 systematic mapping. <i>Information and Software Technology</i> , 2015 , 57, 157-168 | 3.4 | 189 |
| 452 | A 360-degree process improvement approach based on multiple models. <i>Revista Facultad De Ingenier</i> a, 2015 , | 1 | 1 |
| 45 ¹ | The making of an OMG standard. Computer Standards and Interfaces, 2015, 42, 84-94 | 3.5 | 13 |
| 450 | A First Approach on Legacy System Energy Consumption Measurement 2015 , | | 3 |
| 449 | 2015, | | 2 |
| 448 | Approaches to promote product quality within software process improvement initiatives: A mapping study. <i>Journal of Systems and Software</i> , 2015 , 103, 150-166 | 3.3 | 23 |
| 447 | Introduction to Green in Software Engineering 2015 , 3-27 | | 23 |
| 446 | Green Software Maintenance 2015 , 205-229 | | 1 |

| 445 | Identifying Quality Characteristic Interactions during Software Development 2015, | | 3 |
|-----|--|-----|----|
| 444 | Validating a Software Engineering Framework Through Technical-Action-Research in Union with Case Studies. <i>Lecture Notes in Business Information Processing</i> , 2015 , 303-327 | 0.6 | |
| 443 | Model-Driven Reverse Engineering of Open Source Systems 2015 , 1966-1987 | | |
| 442 | Using agents to manage Socio-Technical Congruence in a Global Software Engineering project. <i>Information Sciences</i> , 2014 , 264, 230-259 | 7.7 | 7 |
| 441 | An integrated approach based on execution measures for the continuous improvement of business processes realized by services. <i>Information and Software Technology</i> , 2014 , 56, 134-162 | 3.4 | 30 |
| 440 | Global Software Development Education: A Commercial Perspective from a Case Study 2014 , | | 2 |
| 439 | Mutation Testing. IEEE Software, 2014, 31, 30-35 | 1.5 | 34 |
| 438 | Walk before you run 2014 , | | 2 |
| 437 | Analyzing the Harmful Effect of God Class Refactoring on Power Consumption. <i>IEEE Software</i> , 2014 , 31, 48-54 | 1.5 | 47 |
| 436 | Ontology-based similarity applied to business process clustering. <i>Journal of Software: Evolution and Process</i> , 2014 , 26, 1128-1149 | 1 | 2 |
| 435 | A systematic mapping study on serious game quality 2014 , | | 14 |
| 434 | 2014, | | 1 |
| 433 | Assessment process for a simulation-based training environment in global software development 2014 , | | 3 |
| 432 | A Data Quality in Use Model for Big Data. Lecture Notes in Computer Science, 2014, 65-74 | 0.9 | 22 |
| 431 | Model-Driven Reverse Engineering of Open Source Systems. <i>Advances in Business Information Systems and Analytics Book Series</i> , 2014 , 139-160 | 0.4 | |
| 430 | Software modernization by recovering Web services from legacy databases. <i>Journal of Software:</i> Evolution and Process, 2013 , 25, 507-533 | 1 | 14 |
| 429 | A maturity model for the Spanish software industry based on ISO standards. <i>Computer Standards and Interfaces</i> , 2013 , 35, 616-628 | 3.5 | 27 |
| 428 | Applying Q-methodology to analyse the success factors in GSD. <i>Information and Software Technology</i> , 2013 , 55, 1200-1211 | 3.4 | 9 |

| 427 | Continuous Improvement of Business Processes Realized by Services Based on Execution Measurement. <i>Communications in Computer and Information Science</i> , 2013 , 64-81 | 0.3 | 1 |
|-----|--|-----|----|
| 426 | Systematic Review on Software Product Line Testing. <i>Communications in Computer and Information Science</i> , 2013 , 58-71 | 0.3 | 7 |
| 425 | Capturing data quality requirements for web applications by means of DQ_WebRE. <i>Information Systems Frontiers</i> , 2013 , 15, 433-445 | 4 | 11 |
| 424 | Towards a Global Software Development Community Web: Identifying Patterns and Scenarios 2013 , | | 3 |
| 423 | Simulating Global Software Development Processes for Use in Education: A Feasibility Study. <i>Communications in Computer and Information Science</i> , 2013 , 36-47 | 0.3 | 4 |
| 422 | MIMOS, System Model-Driven Migration Project 2013 , | | 1 |
| 421 | Automated generation of test oracles using a model-driven approach. <i>Information and Software Technology</i> , 2013 , 55, 301-319 | 3.4 | 22 |
| 420 | A Practical Teaching Experience about Software Reengineering. <i>Procedia, Social and Behavioral Sciences</i> , 2013 , 83, 254-260 | | |
| 419 | Improving Quality of Business Process Models. <i>Communications in Computer and Information Science</i> , 2013 , 130-144 | 0.3 | 5 |
| 418 | From chaos to the systematic harmonization of multiple reference models: A harmonization framework applied in two case studies. <i>Journal of Systems and Software</i> , 2013 , 86, 125-143 | 3.3 | 26 |
| 417 | Test Automation. IEEE Software, 2013, 30, 84-89 | 1.5 | 15 |
| 416 | Assessing the best-order for business process model refactoring 2013, | | 5 |
| 415 | Process variability management in global software development: a case study 2013, | | 4 |
| 414 | CONCEPT LOCATION MODELING THROUGH BUSINESS PROCESS VIEWS. <i>International Journal of Cooperative Information Systems</i> , 2013 , 22, 1350005 | 0.6 | |
| 413 | TOWARD A QUALITY FRAMEWORK FOR BUSINESS PROCESS MODELS. <i>International Journal of Cooperative Information Systems</i> , 2013 , 22, 1350003 | 0.6 | 13 |
| 412 | The Influence of Process Quality on Product Usability: A Systematic Review. <i>CLEI Electronic Journal</i> , 2013 , 16, | 0.6 | 4 |
| 411 | Security Engineering for Cloud Computing 2013 , | | 8 |
| 410 | A Framework to Support Software Quality Trade-Offs from a Process-Based Perspective. <i>Communications in Computer and Information Science</i> , 2013 , 96-107 | 0.3 | 2 |

(2012-2013)

| 409 | Improving Business Process Model after Reverse Engineering. <i>Communications in Computer and Information Science</i> , 2013 , 218-228 | 0.3 | О |
|-----|--|-----|----|
| 408 | Main Principles on the Integration of SOC and MDD Paradigms to Business Processes: A Systematic Review. <i>Communications in Computer and Information Science</i> , 2013 , 88-108 | 0.3 | 3 |
| 407 | Correlation of Business Activities Executed in Legacy Information Systems. <i>Communications in Computer and Information Science</i> , 2013 , 48-63 | 0.3 | O |
| 406 | Towards Understanding Software Process Variability from Contextual Evidence of Change. <i>Lecture Notes in Business Information Processing</i> , 2013 , 417-431 | 0.6 | 2 |
| 405 | Repairing Business Process Models as Retrieved from Source Code. <i>Lecture Notes in Business Information Processing</i> , 2013 , 94-108 | 0.6 | 1 |
| 404 | An ontology for the harmonization of multiple standards and models. <i>Computer Standards and Interfaces</i> , 2012 , 34, 48-59 | 3.5 | 58 |
| 403 | Tools used in Global Software Engineering: A systematic mapping review. <i>Information and Software Technology</i> , 2012 , 54, 663-685 | 3.4 | 60 |
| 402 | A family of case studies on business process mining using MARBLE. <i>Journal of Systems and Software</i> , 2012 , 85, 1370-1385 | 3.3 | 8 |
| 401 | A conceptual modeling quality framework. Software Quality Journal, 2012, 20, 201-228 | 1.2 | 79 |
| 400 | Requirements and constructors for tailoring software processes: a systematic literature review. <i>Software Quality Journal</i> , 2012 , 20, 229-260 | 1.2 | 36 |
| 399 | Towards an ontology for global software development. IET Software, 2012, 6, 214 | 1 | 11 |
| 398 | A software maintenance methodology for small organizations: Agile_MANTEMA. <i>Journal of Software: Evolution and Process</i> , 2012 , 24, 851-876 | 1 | 9 |
| 397 | LOPD Compliance and ISO 27001 legal requirements in the Health Sector. <i>IEEE Latin America Transactions</i> , 2012 , 10, 1824-1837 | 0.7 | О |
| 396 | Assessing event correlation in non-process-aware information systems. <i>Software and Systems Modeling</i> , 2012 , 13, 1117 | 1.9 | 12 |
| 395 | Cultural and linguistic problems in GSD: a simulator to train engineers in these issues. <i>Journal of Software: Evolution and Process</i> , 2012 , 24, 707-717 | 1 | 10 |
| 394 | A case study on business process recovery using an e-government system. <i>Software - Practice and Experience</i> , 2012 , 42, 159-189 | 2.5 | 10 |
| 393 | Harmonization of ISO/IEC 9001:2000 and CMMI-DEV: from a theoretical comparison to a real case application. <i>Software Quality Journal</i> , 2012 , 20, 309-335 | 1.2 | 22 |
| 392 | Integrating event logs into KDM repositories 2012 , | | 4 |

| 391 | DPMTool: A Tool for Decisions Management in Distributed Software Projects 2012, | | 2 |
|-----|--|-------|----|
| 390 | Providing Training in GSD by Using a Virtual Environment. <i>Lecture Notes in Computer Science</i> , 2012 , 203 | -21.3 | 4 |
| 389 | Model transformations for Business-IT alignment 2012 , | | 7 |
| 388 | Towards the Harmonization of Process and Product Oriented Software Quality Approaches. <i>Communications in Computer and Information Science</i> , 2012 , 133-144 | 0.3 | 6 |
| 387 | Developing Secure Business Processes 2012 , 146-169 | | |
| 386 | ISMS Building for SMEs through the Reuse of Knowledge 2012 , 90-116 | | |
| 385 | Empirical Assessment of Business Model Transformations Based on Model Simulation. <i>Lecture Notes in Computer Science</i> , 2012 , 137-151 | 0.9 | 1 |
| 384 | Scrum-based Methodology for Distributed Software Development 2011 , | | 9 |
| 383 | Homogenization, Comparison and Integration: A Harmonizing Strategy for the Unification of Multi-models in the Banking Sector. <i>Lecture Notes in Computer Science</i> , 2011 , 59-72 | 0.9 | 8 |
| 382 | A Model Based Testing Approach for Model-Driven Development and Software Product Lines. <i>Communications in Computer and Information Science</i> , 2011 , 193-208 | 0.3 | 1 |
| 381 | Modelling software process variability: an empirical study. <i>IET Software</i> , 2011 , 5, 172 | 1 | 38 |
| 380 | Process mining through dynamic analysis for modernising legacy systems. <i>IET Software</i> , 2011 , 5, 304 | 1 | 13 |
| 379 | Harmonizing Quality Assurance Processes and Product Characteristics. <i>Computer</i> , 2011 , 44, 94-96 | 1.6 | 4 |
| 378 | Reengineering Technologies. <i>IEEE Software</i> , 2011 , 28, 13-17 | 1.5 | 7 |
| 377 | Knowledge Discovery Metamodel-ISO/IEC 19506: A standard to modernize legacy systems. <i>Computer Standards and Interfaces</i> , 2011 , 33, 519-532 | 3.5 | 56 |
| 376 | Secure business process model specification through a UML 2.0 activity diagram profile. <i>Decision Support Systems</i> , 2011 , 51, 446-465 | 5.6 | 43 |
| 375 | Graphical versus textual software measurement modelling: an empirical study. <i>Software Quality Journal</i> , 2011 , 19, 201-233 | 1.2 | 11 |
| 374 | Systematic design of secure Mobile Grid systems. <i>Journal of Network and Computer Applications</i> , 2011 , 34, 1168-1183 | 7.9 | 5 |

| 373 | Business process archeology using MARBLE. <i>Information and Software Technology</i> , 2011 , 53, 1023-1044 | 3.4 | 38 |
|-----|--|-----|----|
| 372 | 2011, | | 1 |
| 371 | Software Generic Measurement Framework Based on MDA. <i>IEEE Latin America Transactions</i> , 2011 , 9, 864-871 | 0.7 | 2 |
| 370 | Obtaining Thresholds for the Effectiveness of Business Process Mining 2011 , | | 2 |
| 369 | Applying AOSE Concepts to Model Crosscutting Variability in Variant-Rich Processes 2011, | | 7 |
| 368 | Trends in Harmonization of Multiple Reference Models. <i>Communications in Computer and Information Science</i> , 2011 , 61-73 | 0.3 | 9 |
| 367 | Generating event logs from non-process-aware systems enabling business process mining. <i>Enterprise Information Systems</i> , 2011 , 5, 301-335 | 3.5 | 40 |
| 366 | MARBLE. A business process archeology tool 2011 , | | 13 |
| 365 | An empirical comparison of static and dynamic business process mining 2011 , | | 3 |
| 364 | Toward Obtaining Event Logs from Legacy Code. <i>Lecture Notes in Business Information Processing</i> , 2011 , 201-207 | 0.6 | 5 |
| 363 | Business Process Service Oriented Methodology (BPSOM) with Service Generation in SoaML. <i>Notes on Numerical Fluid Mechanics and Multidisciplinary Design</i> , 2011 , 672-680 | 0.3 | 9 |
| 362 | Managing Process Diversity by Applying Rationale Management in Variant Rich Processes. <i>Lecture Notes in Computer Science</i> , 2011 , 128-142 | 0.9 | 4 |
| 361 | HProcessTOOL: A Support Tool in the Harmonization of Multiple Reference Models. <i>Lecture Notes in Computer Science</i> , 2011 , 370-382 | 0.9 | 4 |
| 360 | A Survey on How to Manage Specific Data Quality Requirements during Information System Development. <i>Communications in Computer and Information Science</i> , 2011 , 16-30 | 0.3 | 2 |
| 359 | A Security Requirements Engineering Tool for Domain Engineering in Software Product Lines 2011 , 73-9 | 92 | |
| 358 | Measurement in business processes: a systematic review. <i>Business Process Management Journal</i> , 2010 , 16, 114-134 | 3.6 | 81 |
| 357 | A Methodology for Continuos Quality Assessment of Software Artefacts 2010, | | 4 |
| 356 | A training tool for Global Software Development 2010 , | | 2 |

| 355 | On the use of patterns to recover business processes 2010 , | | 7 |
|---------------------------------|--|-------------------|--------------------------|
| 354 | A Strategy for Painless Harmonization of Quality Standards: A Real Case. <i>Lecture Notes in Computer Science</i> , 2010 , 395-408 | 0.9 | 7 |
| 353 | Prediction of Business Process Model Quality Based on Structural Metrics. <i>Lecture Notes in Computer Science</i> , 2010 , 458-463 | 0.9 | 15 |
| 352 | A process for driving the harmonization of models 2010 , | | 9 |
| 351 | Preparing Students and Engineers for Global Software Development: A Systematic Review 2010, | | 33 |
| 350 | Managing the Asset Risk of SMEs 2010 , | | 1 |
| 349 | An Educational Environment for Training Skills for Global Software Development 2010, | | 3 |
| 348 | Towards an ontology for service oriented modeling supporting business processes 2010, | | 10 |
| 347 | Software Generic Measurement Framework Based on MDA. <i>IEEE Latin America Transactions</i> , 2010 , 8, 605-613 | 0.7 | |
| | | | |
| 346 | From BPMN business process models to SoaML service models: A transformation-driven approach 2010 , | | 10 |
| 346 345 | | | 10 |
| | 2010, | 0.3 | |
| 345 | Tools to Support Global Software Development Processes: A Survey 2010, Defining and transforming security rules in an MDA approach for DWs. International Journal of | 0.3 | |
| 345 | Tools to Support Global Software Development Processes: A Survey 2010, Defining and transforming security rules in an MDA approach for DWs. International Journal of Business Intelligence and Data Mining, 2010, 5, 116 A framework to improve communication during the requirements elicitation process in GSD | | 15 1 |
| 345 344 343 | Tools to Support Global Software Development Processes: A Survey 2010, Defining and transforming security rules in an MDA approach for DWs. International Journal of Business Intelligence and Data Mining, 2010, 5, 116 A framework to improve communication during the requirements elicitation process in GSD projects. Requirements Engineering, 2010, 15, 397-417 A Personal Data Audit Method through Requirements Engineering. Computer Standards and | 2.7 | 15 1 21 |
| 345 344 343 342 | Tools to Support Global Software Development Processes: A Survey 2010, Defining and transforming security rules in an MDA approach for DWs. International Journal of Business Intelligence and Data Mining, 2010, 5, 116 A framework to improve communication during the requirements elicitation process in GSD projects. Requirements Engineering, 2010, 15, 397-417 A Personal Data Audit Method through Requirements Engineering. Computer Standards and Interfaces, 2010, 32, 166-178 Using Scrum to guide the execution of software process improvement in small organizations. | 2.7 3·5 | 15 1 21 9 |
| 345 344 343 342 341 | Tools to Support Global Software Development Processes: A Survey 2010, Defining and transforming security rules in an MDA approach for DWs. International Journal of Business Intelligence and Data Mining, 2010, 5, 116 A framework to improve communication during the requirements elicitation process in GSD projects. Requirements Engineering, 2010, 15, 397-417 A Personal Data Audit Method through Requirements Engineering. Computer Standards and Interfaces, 2010, 32, 166-178 Using Scrum to guide the execution of software process improvement in small organizations. Journal of Systems and Software, 2010, 83, 1662-1677 MIS-PyME software measurement capability maturity model Eupporting the definition of software measurement programs and capability determination. Advances in Engineering Software, | 2.7 3.5 3.3 | 15 1 21 9 27 |

(2009-2010)

| 337 | Assessment methodology for software process improvement in small organizations. <i>Information and Software Technology</i> , 2010 , 52, 1044-1061 | 3.4 | 37 |
|-----|--|-----|----|
| 336 | Security requirements engineering framework for software product lines. <i>Information and Software Technology</i> , 2010 , 52, 1094-1117 | 3.4 | 28 |
| 335 | The impact of structural complexity on the understandability of UML statechart diagrams. <i>Information Sciences</i> , 2010 , 180, 2209-2220 | 7.7 | 38 |
| 334 | Assessing the influence of import-coupling on OCL expression maintainability: A cognitive theory-based perspective. <i>Information Sciences</i> , 2010 , 180, 3837-3862 | 7:7 | 3 |
| 333 | A comparison of software design security metrics 2010 , | | 8 |
| 332 | Analyzing and Evaluating the Main Factors that Challenge Global Software Development~!2009-09-20~!2010-05-03~!2010-05-17~!. <i>The Open Software Engineering Journal</i> , 2010 , 4, 14-25 | | 8 |
| 331 | A Systematic Review of Distributed Software Development 2010 , 209-225 | | 1 |
| 330 | Implementing Business Process Recovery Patterns through QVT Transformations. <i>Lecture Notes in Computer Science</i> , 2010 , 168-183 | 0.9 | 11 |
| 329 | Mapping Software Acquisition Practices from ISO 12207 and CMMI. <i>Communications in Computer and Information Science</i> , 2010 , 234-247 | 0.3 | 4 |
| 328 | Building ISMS through the Reuse of Knowledge. Lecture Notes in Computer Science, 2010, 190-201 | 0.9 | 2 |
| 327 | A Tool for Training Students and Engineers in Global Software Development Practices. <i>Lecture Notes in Computer Science</i> , 2010 , 169-184 | 0.9 | 3 |
| 326 | MINERVA: Model drIveN and sErvice oRiented Framework for the Continuous Business Process improVement and relAted Tools. <i>Lecture Notes in Computer Science</i> , 2010 , 456-466 | 0.9 | 7 |
| 325 | Security Culture in Small and Medium-Size Enterprise. <i>Communications in Computer and Information Science</i> , 2010 , 315-324 | 0.3 | 2 |
| 324 | A Multi-agent Recommender System to Suggest Documents in Communities of Practice. <i>Advances in Intelligent and Soft Computing</i> , 2010 , 339-346 | | |
| 323 | Applying Strategies to Recommend Groupware Tools According to Cognitive Characteristics of a Team. <i>Studies in Computational Intelligence</i> , 2010 , 105-119 | 0.8 | 1 |
| 322 | MODELING AND ANALYSIS OF KNOWLEDGE FLOWS IN SOFTWARE PROCESSES THROUGH THE EXTENSION OF THE SOFTWARE PROCESS ENGINEERING METAMODEL. <i>International Journal of Software Engineering and Knowledge Engineering</i> , 2009 , 19, 185-211 | 1 | 5 |
| 321 | Model-Driven Software Measurement Framework: A Case Study 2009 , | | 1 |
| 320 | Towards an automated testing framework to manage variability using the UML Testing Profile 2009 , | | 2 |

| 319 | Encouraging the Reuse of Knowledge in Communities of Practice by Using a Trust Model 2009, | | 1 |
|-----|---|-----|----|
| 318 | Software Artifact Prioritization based on the Frequency of Use. <i>IEEE Latin America Transactions</i> , 2009 , 7, 369-376 | 0.7 | O |
| 317 | A Process for Driving Process Improvement in VSEs. Lecture Notes in Computer Science, 2009, 342-353 | 0.9 | 14 |
| 316 | MEPLAMECAL: A Methodology Based on ISO/IEC 15939 to Elaborate Data Quality Measurement Plans. <i>IEEE Latin America Transactions</i> , 2009 , 7, 361-368 | 0.7 | |
| 315 | Effective use of ontologies in software measurement. <i>Knowledge Engineering Review</i> , 2009 , 24, 23-40 | 2.1 | 21 |
| 314 | Assessment of portlet quality: Collecting real experience. <i>Computer Standards and Interfaces</i> , 2009 , 31, 336-347 | 3.5 | 2 |
| 313 | A UML 2.0 profile to define security requirements for Data Warehouses. <i>Computer Standards and Interfaces</i> , 2009 , 31, 969-983 | 3.5 | 23 |
| 312 | Assessing the understandability of UML statechart diagrams with composite states family of empirical studies. <i>Empirical Software Engineering</i> , 2009 , 14, 685-719 | 3.3 | 47 |
| 311 | Do Rules and Patterns Affect Design Maintainability?. <i>Journal of Computer Science and Technology</i> , 2009 , 24, 262-272 | 1.7 | 8 |
| 310 | Harmonizing maturity levels from CMMI-DEV and ISO/IEC 15504. <i>Journal of Software: Evolution and Process</i> , 2009 , 22, n/a-n/a | | 8 |
| 309 | Decreasing the cost of mutation testing with second-order mutants. <i>Software Testing Verification and Reliability</i> , 2009 , 19, 111-131 | 0.9 | 85 |
| 308 | An engineering process for developing Secure Data Warehouses. <i>Information and Software Technology</i> , 2009 , 51, 1033-1051 | 3.4 | 24 |
| 307 | Quality of UML models. <i>Information and Software Technology</i> , 2009 , 51, 1629-1630 | 3.4 | 7 |
| 306 | Including Security Rules Support in an MDA Approach for Secure DWs 2009, | | 2 |
| 305 | Applying an MDA-Based Approach to Consider Security Rules in the Development of Secure DWs 2009 , | | 4 |
| 304 | On the Use of ADM to Contextualize Data on Legacy Source Code for Software Modernization 2009 | | 11 |
| 303 | Comparing ISO/IEC 12207 and CMMI-DEV: Towards a mapping of ISO/IEC 15504-7 2009 , | | 8 |
| 302 | Key processes to start software process improvement in small companies 2009 , | | 10 |

(2009-2009)

| 301 | Optimal Data Quality in Project Management for Global Software Developments 2009, | | 2 |
|-----|---|-----|-----|
| 300 | Teaching Requirements Elicitation within the Context of Global Software Development 2009, | | 7 |
| 299 | Evaluating the Ability of Novice Analysts to Understand Requirements Models 2009, | | 1 |
| 298 | Automated Support for Security Requirements Engineering in Software Product Line Domain Engineering 2009 , | | 5 |
| 297 | 2009, | | 3 |
| 296 | Challenges and Improvements in Distributed Software Development: A Systematic Review. <i>Advances in Software Engineering</i> , 2009 , 2009, 1-14 | | 101 |
| 295 | PRECISO: A Reverse Engineering Tool to Discover Web Services from Relational Databases 2009 , | | 2 |
| 294 | Which Groupware Tool is the Most Suitable for this Group? 2009, | | 2 |
| 293 | Analyzing Ontology as a Facilitator During Global Requirements Elicitation 2009, | | 2 |
| 292 | Prediction Models for BPMN Usability and Maintainability 2009, | | 17 |
| 291 | Automated model-based testing using the UML testing profile and QVT 2009, | | 15 |
| 290 | Quality-Driven Model Transformations 2009 , 302-326 | | 1 |
| 289 | A Two-Layer Multi-agent Architecture to Facilitate Knowledge Sharing within Communities of Practice. <i>Inteligencia Artificial</i> , 2009 , 13, | 1.5 | 6 |
| 288 | PROCESS INSTITUTIONALIZATION USING SOFTWARE PROCESS LINES 2009, | | 5 |
| 287 | Empirical Validation of Measures for UML Class Diagrams: A Meta-Analysis Study. <i>Lecture Notes in Computer Science</i> , 2009 , 303-313 | 0.9 | 6 |
| 286 | Problems and Solutions in Distributed Software Development: A Systematic Review. <i>Lecture Notes in Business Information Processing</i> , 2009 , 107-125 | 0.6 | 5 |
| 285 | Analysis and Validation of Control-Flow Complexity Measures with BPMN Process Models. <i>Lecture Notes in Business Information Processing</i> , 2009 , 58-70 | 0.6 | 29 |
| 284 | An Integrated Framework to Guide Software Process Improvement in Small Organizations. <i>Communications in Computer and Information Science</i> , 2009 , 213-224 | 0.3 | 6 |

| 283 | Tailoring Data Quality Models Using Social Network Preferences. <i>Lecture Notes in Computer Science</i> , 2009 , 152-166 | 0.9 | 2 |
|---------------------------------|--|-----|---------------------|
| 282 | Supporting the Process Assessment through a Flexible Software Environment. <i>Communications in Computer and Information Science</i> , 2009 , 187-199 | 0.3 | 2 |
| 281 | Formal Definition of Measures for BPMN Models. Lecture Notes in Computer Science, 2009, 285-306 | 0.9 | 6 |
| 280 | An Agent System to Manage Knowledge in CoPs. <i>International Journal of Cognitive Informatics and Natural Intelligence</i> , 2009 , 3, 75-94 | 0.9 | |
| 279 | Knowledge Flow Identification 2009 , 2337-2342 | | 1 |
| 278 | Security Requirements Management in Software Product Line Engineering. <i>Communications in Computer and Information Science</i> , 2009 , 250-263 | 0.3 | 2 |
| 277 | Analyzing Stakeholders Satisfaction When Choosing Suitable Groupware Tools for Requirements Elicitation. <i>Lecture Notes in Computer Science</i> , 2009 , 222-230 | 0.9 | 1 |
| 276 | An MDA Compliant Approach for Designing Secure Data Warehouses 2009 , 495-503 | | |
| 275 | Helping to Develop Knowledge Management Systems by Using a Multi-Agent Approach 2009 , 348-364 | | |
| | | | |
| 274 | A Requirement Elicitation Methodology for Global Software Development Teams 2009 , 3273-3282 | | |
| ²⁷⁴ | A Requirement Elicitation Methodology for Global Software Development Teams 2009 , 3273-3282 Why Should I Trust in a Virtual Community Member?. <i>Lecture Notes in Computer Science</i> , 2009 , 126-133 | 0.9 | 1 |
| | | 0.9 | 1 5 |
| 273 | Why Should I Trust in a Virtual Community Member?. <i>Lecture Notes in Computer Science</i> , 2009 , 126-133 | 0.9 | |
| ²⁷³ | Why Should I Trust in a Virtual Community Member?. <i>Lecture Notes in Computer Science</i> , 2009 , 126-133 Measurement and Maturity of Business Processes 2009 , 532-556 Building a secure star schema in data warehouses by an extension of the relational package from | | 5 |
| 273 272 271 | Why Should I Trust in a Virtual Community Member?. <i>Lecture Notes in Computer Science</i> , 2009 , 126-133 Measurement and Maturity of Business Processes 2009 , 532-556 Building a secure star schema in data warehouses by an extension of the relational package from CWM. <i>Computer Standards and Interfaces</i> , 2008 , 30, 341-350 Towards security requirements management for software product lines: A security domain | 3.5 | 5 |
| 273 272 271 270 | Why Should I Trust in a Virtual Community Member?. <i>Lecture Notes in Computer Science</i> , 2009 , 126-133 Measurement and Maturity of Business Processes 2009 , 532-556 Building a secure star schema in data warehouses by an extension of the relational package from CWM. <i>Computer Standards and Interfaces</i> , 2008 , 30, 341-350 Towards security requirements management for software product lines: A security domain requirements engineering process. <i>Computer Standards and Interfaces</i> , 2008 , 30, 361-371 Implementing a software measurement program in small and medium enterprises: a suitable | 3.5 | 5 19 26 |
| 273 272 271 270 269 | Why Should I Trust in a Virtual Community Member?. <i>Lecture Notes in Computer Science</i> , 2009 , 126-133 Measurement and Maturity of Business Processes 2009 , 532-556 Building a secure star schema in data warehouses by an extension of the relational package from CWM. <i>Computer Standards and Interfaces</i> , 2008 , 30, 341-350 Towards security requirements management for software product lines: A security domain requirements engineering process. <i>Computer Standards and Interfaces</i> , 2008 , 30, 361-371 Implementing a software measurement program in small and medium enterprises: a suitable framework. <i>IET Software</i> , 2008 , 2, 417 Towards Obtaining Analysis-Level Class and Use Case Diagrams from Business Process Models. | 3.5 | 5 19 26 39 |

(2008-2008)

| 265 | A Simulator for Education and Training in Global Requirements Engineering: A Work in Progress 2008 , | 4 |
|-----|---|----|
| 264 | Security Requirements Variability for Software Product Lines 2008, | 7 |
| 263 | PSecGCM: Process for the Development of Secure Grid Computing based Systems with Mobile Devices 2008 , | 9 |
| 262 | An extension of the Relational Metamodel of CWM to represent Secure Data Warehouses at the Logical Level. <i>IEEE Latin America Transactions</i> , 2008 , 6, 355-362 | 2 |
| 261 | Implementing Multidimensional Security into OLAP Tools 2008, | 4 |
| 260 | Strategies to recommend groupware tools according to virtual team characteristics 2008, | 6 |
| 259 | Secure Business Processes defined through a UML 2.0 extension. <i>IEEE Latin America Transactions</i> , 0.7 | 1 |
| 258 | An approach based on i* for security requirement analysis in data warehouses. <i>IEEE Latin America Transactions</i> , 2008 , 6, 282-289 | |
| 257 | Software generic measurement framework based on MDA. <i>IEEE Latin America Transactions</i> , 2008 , 6, 363-370 | 4 |
| 256 | Formal definition of measures for UML statechart diagrams using OCL 2008, | 1 |
| 255 | Toward a definition of the competences for global requirements elicitation 2008, | 4 |
| 254 | Automatic extraction of the main terminology used in empirical software engineering through text mining techniques 2008 , | 8 |
| 253 | Security Requirements Engineering Process for Software Product Lines: A Case Study 2008, | 4 |
| 252 | Towards Comprehensive Requirement Analysis for Data Warehouses: Considering Security Requirements 2008 , | 15 |
| 251 | Applying a Security Domain Requirements Engineering Process for Software Product Lines. <i>IEEE Latin America Transactions</i> , 2008 , 6, 298-305 | 1 |
| 250 | A Systematic Review and Comparison of Security Ontologies 2008, | 56 |
| 249 | How to implement multidimensional security into OLAP tools. <i>International Journal of Business Intelligence and Data Mining</i> , 2008 , 3, 255 | 2 |
| 248 | Empirical studies to assess the understandability of data warehouse schemas using structural metrics. <i>Software Quality Journal</i> , 2008 , 16, 79-106 | 42 |

| 247 | Software process improvement in small and medium software enterprises: a systematic review. <i>Software Quality Journal</i> , 2008 , 16, 237-261 | 1.2 | 175 |
|-----|---|-----|-----|
| 246 | A proposal for a set of attributes relevant for Web portal data quality. <i>Software Quality Journal</i> , 2008 , 16, 513-542 | 1.2 | 39 |
| 245 | An Applicable Data Quality Model for Web Portal Data Consumers. World Wide Web, 2008, 11, 465-484 | 2.9 | 20 |
| 244 | Web site visibility evaluation. <i>Journal of the Association for Information Science and Technology</i> , 2008 , 59, 1727-1742 | | 17 |
| 243 | Defining and validating metrics for assessing the understandability of entityfelationship diagrams. <i>Data and Knowledge Engineering</i> , 2008 , 64, 534-557 | 1.5 | 52 |
| 242 | A framework to analyze information systems as knowledge flow facilitators. <i>Information and Software Technology</i> , 2008 , 50, 481-498 | 3.4 | 21 |
| 241 | Strategies to Minimize Problems in Global Requirements Elicitation. <i>CLEI Electronic Journal</i> , 2008 , 11, | 0.6 | 14 |
| 240 | A Data Quality Model for Web Portals 2008 , 130-144 | | |
| 239 | WSRP-O 2008 , 424-442 | | |
| 238 | MIS-PyME Software Measurement Maturity Model-Supporting the Definition of Software Measurement Programs. <i>Lecture Notes in Computer Science</i> , 2008 , 19-33 | 0.9 | 2 |
| 237 | Towards a SPEM v2.0 Extension to Define Process Lines Variability Mechanisms. <i>Studies in Computational Intelligence</i> , 2008 , 115-130 | 0.8 | 16 |
| 236 | Using Virtual Agents for the Teaching of Requirements Elicitation in GSD. <i>Lecture Notes in Computer Science</i> , 2008 , 539-540 | 0.9 | 3 |
| 235 | Recommending Trustworthy Knowledge in KMS by Using Agents. <i>Communications in Computer and Information Science</i> , 2008 , 297-309 | 0.3 | 2 |
| 234 | | | 8 |
| | A Framework for the Development of Secure Data Warehouses based on MDA and QVT 2007 , | | 0 |
| 233 | A Framework for the Development of Secure Data Warehouses based on MDA and QVT 2007, An ADM Approach to Reengineer Relational Databases towards Web Services 2007, | | 5 |
| 233 | | | |
| | An ADM Approach to Reengineer Relational Databases towards Web Services 2007 , | | 5 |

| 229 | M-BPSec: A Method for Security Requirement Elicitation from a UML 2.0 Business Process Specification. <i>Lecture Notes in Computer Science</i> , 2007 , 106-115 | 0.9 | 7 |
|-----|--|-------|-----|
| 228 | How to Choose Groupware Tools Considering Stakeholders Preferences During Requirements Elicitation?. <i>Lecture Notes in Computer Science</i> , 2007 , 319-327 | 0.9 | 7 |
| 227 | Early detection of COTS component functional suitability. <i>Information and Software Technology</i> , 2007 , 49, 108-121 | 3.4 | 15 |
| 226 | Metrics for data warehouse conceptual models understandability. <i>Information and Software Technology</i> , 2007 , 49, 851-870 | 3.4 | 65 |
| 225 | Managing software process measurement: A metamodel-based approach. <i>Information Sciences</i> , 2007 , 177, 2570-2586 | 7.7 | 40 |
| 224 | Evaluating performances of pair designing in industry. <i>Journal of Systems and Software</i> , 2007 , 80, 1317- | 13,37 | 34 |
| 223 | Developing secure data warehouses with a UML extension. <i>Information Systems</i> , 2007 , 32, 826-856 | 2.7 | 58 |
| 222 | An MDA-based approach for database re-engineering. <i>Journal of Software: Evolution and Process</i> , 2007 , 19, 383-417 | | 8 |
| 221 | Integrating techniques and tools for testing automation. <i>Software Testing Verification and Reliability</i> , 2007 , 17, 3-39 | 0.9 | 15 |
| 220 | A common criteria based security requirements engineering process for the development of secure information systems. <i>Computer Standards and Interfaces</i> , 2007 , 29, 244-253 | 3.5 | 120 |
| 219 | Software Process Improvement: The Competisoft Project. <i>Computer</i> , 2007 , 40, 21-28 | 1.6 | 63 |
| 218 | Improving a portlet usability model. Software Quality Journal, 2007, 15, 155-177 | 1.2 | 7 |
| 217 | Building measure-based prediction models for UML class diagram maintainability. <i>Empirical Software Engineering</i> , 2007 , 12, 517-549 | 3.3 | 53 |
| 216 | AN ONTOLOGY FOR UNDERSTANDING AND APPLYING OBJECT-ORIENTED DESIGN KNOWLEDGE. International Journal of Software Engineering and Knowledge Engineering, 2007 , 17, 407-421 | 1 | 2 |
| 215 | Adapting the course "quality of information systems" to E.H.E.A guidelines. <i>SIGCSE Bulletin</i> , 2007 , 39, 50-53 | О | 0 |
| 214 | A systematic review of software process tailoring. <i>Software Engineering Notes: an Informal Newsletter of the Special Interest Committee on Software Engineering / ACM</i> , 2007 , 32, 1-6 | 0.4 | 49 |
| 213 | A support tool for rapid software process assessment. <i>IEEE Latin America Transactions</i> , 2007 , 5, 218-223 | 3 o.7 | 5 |
| 212 | Choosing the Best Design Strategy from Requirements. A Value-Based Approach 2007 , | | 1 |

| 211 | A Security Requirements Engineering Process in Practice. <i>IEEE Latin America Transactions</i> , 2007 , 5, 211 | -2đ <i>ħ</i> | 1 |
|--------------------------|---|--------------|-------|
| 210 | A Multi-agent Model to Develop Knowledge Management Systems 2007 , | | 7 |
| 209 | 2007, | | 1 |
| 208 | Model-driven multidimensional modeling of secure data warehouses. <i>European Journal of Information Systems</i> , 2007 , 16, 374-389 | 6.4 | 15 |
| 207 | A Bayesian network to represent a data quality model. <i>International Journal of Information Quality</i> , 2007 , 1, 272 | О | О |
| 206 | Improving the teaching of object-oriented design knowledge. SIGCSE Bulletin, 2007, 39, 108-112 | Ο | 1 |
| 205 | A Practical Model for Measuring Maintainability 2007, | | 114 |
| 204 | 2007, | | 6 |
| 203 | Refinement of a Tool to Assess the Data Quality in Web Portals 2007, | | 2 |
| 202 | Towards CIM to PIM Transformation: From Secure Business Processes Defined in BPMN to | | |
| | Use-Cases. Lecture Notes in Computer Science, 2007 , 408-415 | 0.9 | 27 |
| 201 | Use-Cases. Lecture Notes in Computer Science, 2007, 408-415 EARLY DETECTION OF COTS FUNCTIONAL SUITABILITY FOR AN E-PAYMENT CASE STUDY 2007, 141-16 | | 27 |
| | | | 27 |
| 201 | EARLY DETECTION OF COTS FUNCTIONAL SUITABILITY FOR AN E-PAYMENT CASE STUDY 2007 , 141-14. CHOOSING GROUPWARE TOOLS AND ELICITATION TECHNIQUES ACCORDING TO STAKEHOLDERS. | | |
| 201 | EARLY DETECTION OF COTS FUNCTIONAL SUITABILITY FOR AN E-PAYMENT CASE STUDY 2007 , 141-14. CHOOSING GROUPWARE TOOLS AND ELICITATION TECHNIQUES ACCORDING TO STAKEHOLDERS FEATURES 2007 , 69-76 | | 1 |
| 201 200 | EARLY DETECTION OF COTS FUNCTIONAL SUITABILITY FOR AN E-PAYMENT CASE STUDY 2007 , 141-14. CHOOSING GROUPWARE TOOLS AND ELICITATION TECHNIQUES ACCORDING TO STAKEHOLDERSD FEATURES 2007 , 69-76 Defining Security Architectural Patterns Based on Viewpoints 2007 , 262-272 Fostering Knowledge Exchange in Virtual Communities by Using Agents. <i>Lecture Notes in Computer</i> | 48 | 1 |
| 201 200 199 198 | EARLY DETECTION OF COTS FUNCTIONAL SUITABILITY FOR AN E-PAYMENT CASE STUDY 2007 , 141-14. CHOOSING GROUPWARE TOOLS AND ELICITATION TECHNIQUES ACCORDING TO STAKEHOLDERS FEATURES 2007 , 69-76 Defining Security Architectural Patterns Based on Viewpoints 2007 , 262-272 Fostering Knowledge Exchange in Virtual Communities by Using Agents. <i>Lecture Notes in Computer Science</i> , 2007 , 32-39 Implementing Software Measurement Programs in Non Mature Small Settings. <i>Lecture Notes in</i> | 0.9 | 1 |
| 201 200 199 198 | EARLY DETECTION OF COTS FUNCTIONAL SUITABILITY FOR AN E-PAYMENT CASE STUDY 2007 , 141-12. CHOOSING GROUPWARE TOOLS AND ELICITATION TECHNIQUES ACCORDING TO STAKEHOLDERSD FEATURES 2007 , 69-76 Defining Security Architectural Patterns Based on Viewpoints 2007 , 262-272 Fostering Knowledge Exchange in Virtual Communities by Using Agents. <i>Lecture Notes in Computer Science</i> , 2007 , 32-39 Implementing Software Measurement Programs in Non Mature Small Settings. <i>Lecture Notes in Computer Science</i> , 2007 , 154-167 | 0.9 | 1 1 2 |

193 Assessment and Improvement of Information Quality 2007, 119-144

| 192 | Software Measurement Programs in SMEs Defining Software Indicators: A Methodological Framework. <i>Lecture Notes in Computer Science</i> , 2007 , 247-261 | 0.9 | 1 |
|-----|---|----------------|-----|
| 191 | Web Services-Based Security Requirement Elicitation. <i>IEICE Transactions on Information and Systems</i> , 2007 , E90-D, 1374-1387 | 0.6 | 2 |
| 190 | Applying Trust, Reputation and Intuition Aspects to Support Virtual Communities of Practice. <i>Lecture Notes in Computer Science</i> , 2007 , 353-360 | 0.9 | 1 |
| 189 | Improving the Development of Data Warehouses by Enriching Dimension Hierarchies with WordNet. <i>Lecture Notes in Computer Science</i> , 2007 , 85-101 | 0.9 | 5 |
| 188 | Using Practitioners for Assessing the Understandability of UML Statechart Diagrams with Composite States. <i>Lecture Notes in Computer Science</i> , 2007 , 213-222 | 0.9 | 13 |
| 187 | Development Process of the Operational Version of PDQM. <i>Lecture Notes in Computer Science</i> , 2007 , 436-448 | 0.9 | 5 |
| 186 | Including Routes in Web Information Systems as a Way to Improve the Navigability: An Empirical Study. <i>Lecture Notes in Computer Science</i> , 2007 , 505-510 | 0.9 | 1 |
| 185 | Using Controlled Experiments for Validating UML Statechart Diagrams Measures. <i>Lecture Notes in Computer Science</i> , 2007 , 129-138 | 0.9 | 8 |
| 184 | A BPMN Extension for the Modeling of Security Requirements in Business Processes. <i>IEICE Transactions on Information and Systems</i> , 2007 , E90-D, 745-752 | 0.6 | 149 |
| 183 | Towards a Quality Model for Grid Portals. <i>Communications in Computer and Information Science</i> , 2006 , 195-203 | 0.3 | |
| 182 | An ontological approach to describe the SQL:2003 object-relational features. <i>Computer Standards and Interfaces</i> , 2006 , 28, 695-713 | 3.5 | 7 |
| 181 | Access control and audit model for the multidimensional modeling of data warehouses. <i>Decision Support Systems</i> , 2006 , 42, 1270-1289 | 5.6 | 42 |
| 180 | Comparing different quality models for portals. <i>Online Information Review</i> , 2006 , 30, 555-568 | 2 | 29 |
| 179 | The Effect of Coupling on Understanding and Modifying OCL Expressions: An Experimental Analysis. <i>IEEE Latin America Transactions</i> , 2006 , 4, 130-135 | 0.7 | 1 |
| 178 | Adaptation of the standards ISO/IEC 12207:2002 and ISO/IEC 15504:2003 for the assessment of the software processes in developing countries. <i>IEEE Latin America Transactions</i> , 2006 , 4, 85-92 | 0.7 | 1 |
| 177 | Ontology driven definition of a usability model for second generation portals 2006, | | 1 |
| 176 | Security patterns and requirements for internet-based applications. <i>Internet Research</i> , 2006 , 16, 519-5. | 3 6 4.8 | 17 |

| 175 | Applying a Security Requirements Engineering Process. Lecture Notes in Computer Science, 2006, 192-2 | . 06 .9 | 32 |
|-----|---|----------------|----|
| 174 | Evaluating advantages of test driven development 2006, | | 27 |
| 173 | Does object coupling really affect the understanding and modifying of OCL expressions? 2006, | | 4 |
| 172 | Modelling a Knowledge Management System Architecture with INGENIAS Methodology 2006, | | 6 |
| 171 | 2006, | | 7 |
| 170 | A COMPARISON OF EFFORT ESTIMATION METHODS FOR 4GL PROGRAMS: EXPERIENCES WITH STATISTICS AND DATA MINING. <i>International Journal of Software Engineering and Knowledge Engineering</i> , 2006 , 16, 127-140 | 1 | 2 |
| 169 | Towards a UML 2.0 Extension for the Modeling of Security Requirements in Business Processes. <i>Lecture Notes in Computer Science</i> , 2006 , 51-61 | 0.9 | 22 |
| 168 | Representing security and audit rules for data warehouses at the logical level by using the common warehouse metamodel 2006 , | | 8 |
| 167 | Defining a Data Quality Model for Web Portals. Lecture Notes in Computer Science, 2006, 363-374 | 0.9 | 9 |
| 166 | Model driven development of secure XML databases. SIGMOD Record, 2006, 35, 22-27 | 1.1 | 11 |
| 165 | Using UML Packages for Designing Secure Data Warehouses. <i>Lecture Notes in Computer Science</i> , 2006 , 1024-1034 | 0.9 | 3 |
| 164 | PWSSEC: Secure Web Services-based Systems Development Process. <i>IEEE Latin America Transactions</i> , 2006 , 4, 115-122 | 0.7 | О |
| 163 | Evaluation measures for business process models 2006 , | | 15 |
| 162 | Object-Relational Database Metrics Formalization. <i>Proceedings International Conference on Quality Software</i> , 2006 , | | 6 |
| 161 | Representing levels of abstraction to facilitate the secure multidimensional modeling 2006, | | 1 |
| 160 | Quality of password management policy 2006 , | | 5 |
| 159 | Security requirement with a UML 2.0 profile 2006 , | | 13 |
| 158 | 2006, | | 9 |

| 157 | PWSSec: Process for Web Services Security 2006 , | 14 | |
|-----|---|------------|--|
| 156 | 2006, | 9 | |
| 155 | A study of security architectural patterns 2006 , | 8 | |
| 154 | Defining a quality model for portal data 2006, | 1 | |
| 153 | Cognitive-Based Rules as a Means to Select Suitable Groupware Tools 2006 , | 5 | |
| 152 | Developing web services security systems: a case study. <i>International Journal of Web Engineering and Technology</i> , 2006 , 2, 292 | 2 | |
| 151 | Applying a framework for the improvement of software process maturity. <i>Software - Practice and Experience</i> , 2006 , 36, 283-304 | 9 | |
| 150 | Towards a consistent terminology for software measurement. <i>Information and Software Technology</i> , 2006 , 48, 631-644 | 95 | |
| 149 | FMESP: Framework for the modeling and evaluation of software processes. <i>Journal of Systems Architecture</i> , 2006 , 52, 627-639 | 13 | |
| 148 | Balancing Stakeholder Preferences on Measuring Cots Component Functional Suitability 2006 , 177-184 | | |
| 147 | Applying Software Metrics to evaluate Business Process Models. <i>CLEI Electronic Journal</i> , 2006 , 9, o.6 | 23 | |
| 146 | Fuzzy Databases 2006 , | 95 | |
| 145 | Identifying Knowledge Flows in Communities of Practice 2006 , 210-217 | 3 | |
| 144 | A First Approach to a Data Quality Model for Web Portals. <i>Lecture Notes in Computer Science</i> , 2006 , 984-993 | 3 1 | |
| 143 | Designing Secure Data Warehouses 2006 , 295-310 | | |
| 142 | Productivity of Test Driven Development: A Controlled Experiment with Professionals. <i>Lecture Notes in Computer Science</i> , 2006 , 383-388 | 6 | |
| 141 | Improving OO Design Process Using Rules, Patterns and Refactoring 2006 , 325-336 | | |
| 140 | MDE for BPM: A Systematic Review. <i>Communications in Computer and Information Science</i> , 2006 , 127-1350.3 | 4 | |

| 139 | A Systematic Review Measurement in Software Engineering: State-of-the-Art in Measures. <i>Communications in Computer and Information Science</i> , 2006 , 165-176 | 0.3 | 12 |
|-----|---|-----|----|
| 138 | Metrics of Password Management Policy. Lecture Notes in Computer Science, 2006, 1013-1023 | 0.9 | 2 |
| 137 | A Comparative Study of Proposals for Establishing Security Requirements for the Development of Secure Information Systems. <i>Lecture Notes in Computer Science</i> , 2006 , 1044-1053 | 0.9 | 10 |
| 136 | A Methodology for Database Reengineering to Web Services. <i>Lecture Notes in Computer Science</i> , 2006 , 226-240 | 0.9 | 1 |
| 135 | Capturing Security Requirements in Business Processes Through a UML 2.0 Activity Diagrams Profile. <i>Lecture Notes in Computer Science</i> , 2006 , 32-42 | 0.9 | 8 |
| 134 | Ontologies for Software Engineering and Software Technology 2006 , | | 61 |
| 133 | An Ontological Approach to SQL:2003 2006 , 197-215 | | 2 |
| 132 | Data Modeling Dealing With Uncertainty in Fuzzy Logic. <i>International Federation for Information Processing</i> , 2006 , 201-217 | | 1 |
| 131 | A Cognitive Perspective for Choosing Groupware Tools and Elicitation Techniques in Virtual Teams. <i>Lecture Notes in Computer Science</i> , 2005 , 1064-1074 | 0.9 | 4 |
| 130 | A cognitive-based approach to improve distributed requirements elicitation processes 2005, | | 15 |
| 129 | An ontology for microarchitectural design knowledge. <i>IEEE Software</i> , 2005 , 22, 28-33 | 1.5 | 12 |
| 128 | Applying MDA to the development of data warehouses 2005 , | | 35 |
| 127 | TOWARDS A FRAMEWORK FOR CONCEPTUAL MODELLING QUALITY 2005 , 1-18 | | 4 |
| 126 | DEFINING AND VALIDATING METRICS FOR UML CLASS DIAGRAMS 2005 , 99-159 | | 2 |
| 125 | METRICS FOR SOFTWARE PROCESS MODELS 2005 , 273-310 | | |
| 124 | METRICS FOR DATAWAREHOUSES CONCEPTUAL MODELS 2005 , 207-235 | | |
| 123 | MEASURING OCL EXPRESSIONS: AN APPROACH BASED ON COGNITIVE TECHNIQUES 2005 , 161-206 | | 4 |
| 122 | A family of experiments to validate metrics for software process models. <i>Journal of Systems and Software</i> , 2005 , 77, 113-129 | 3.3 | 52 |

(2005-2005)

| 121 | Designing secure databases. Information and Software Technology, 2005, 47, 463-477 | 3.4 | 25 |
|-----------------------------|--|-----|-------------------|
| 120 | Secure information systems development 🗈 survey and comparison. <i>Computers and Security</i> , 2005 , 24, 308-321 | 4.9 | 23 |
| 119 | Assessing the capability of internal metrics as early indicators of maintenance effort through experimentation. <i>Journal of Software: Evolution and Process</i> , 2005 , 17, 225-246 | | 14 |
| 118 | Pair designing as practice for enforcing and diffusing design knowledge. <i>Journal of Software:</i> Evolution and Process, 2005 , 17, 401-423 | | 13 |
| 117 | Filtering COTS Components Through an Improvement-Based Process. <i>Lecture Notes in Computer Science</i> , 2005 , 112-121 | 0.9 | 4 |
| 116 | An Experimental Replication With Data Warehouse Metrics. <i>International Journal of Data Warehousing and Mining</i> , 2005 , 1, 1-21 | 1 | 35 |
| 115 | Classifying web metrics using the web quality model. Online Information Review, 2005, 29, 227-248 | 2 | 79 |
| 114 | Web services enterprise security architecture 2005 , | | 11 |
| 113 | Confirming the influence of educational background in pair-design knowledge through experiments 2005 , | | 4 |
| | | | |
| 112 | A UML profile for designing secure data warehouses. IEEE Latin America Transactions, 2005, 3, 40-48 | 0.7 | 5 |
| 112 | A UML profile for designing secure data warehouses. <i>IEEE Latin America Transactions</i> , 2005 , 3, 40-48 2005 , | 0.7 | 5 |
| | | 0.7 | |
| 111 | 2005, | 0.7 | 6 |
| 111 | 2005, METRICS FOR UML STATECHART DIAGRAMS 2005, 237-272 | 0.7 | 6 |
| 111 | 2005, METRICS FOR UML STATECHART DIAGRAMS 2005, 237-272 Metrics for Software Conceptual Models 2005, | | 6 6 7 |
| 111 110 109 | 2005, METRICS FOR UML STATECHART DIAGRAMS 2005, 237-272 Metrics for Software Conceptual Models 2005, A Survey of Metrics for UML Class Diagrams Journal of Object Technology, 2005, 4, 59 Improving Object-Oriented Micro Architectural Design Through Knowledge Systematization. | 1.4 | 6 6 7 |
| 1111 1100 1091 108 | 2005, METRICS FOR UML STATECHART DIAGRAMS 2005, 237-272 Metrics for Software Conceptual Models 2005, A Survey of Metrics for UML Class Diagrams Journal of Object Technology, 2005, 4, 59 Improving Object-Oriented Micro Architectural Design Through Knowledge Systematization. Lecture Notes in Computer Science, 2005, 444-453 A Set of Quality Indicators and Their Corresponding Metrics for Conceptual Models of Data | 0.9 | 6 6 7 77 |

| 103 | A Reusability Model for Portlets. Lecture Notes in Computer Science, 2005, 21-32 | 0.9 | 1 |
|-----|--|--------------|----|
| 102 | The Impact of Educational Background on Design Knowledge Sharing During Pair Programming: An Empirical Study. <i>Lecture Notes in Computer Science</i> , 2005 , 455-465 | 0.9 | 2 |
| 101 | Empirical Validation of Metrics for UML Statechart Diagrams 2004 , 101-108 | | 3 |
| 100 | A Web Metrics Survey Using WQM. Lecture Notes in Computer Science, 2004, 147-160 | 0.9 | 17 |
| 99 | On the Measurement of COTS Functional Suitability. Lecture Notes in Computer Science, 2004, 31-40 | 0.9 | 6 |
| 98 | How to Manage Knowledge in the Software Maintenance Process. <i>Lecture Notes in Computer Science</i> , 2004 , 78-87 | 0.9 | 6 |
| 97 | Empirical Validation of Metrics for Conceptual Models of Data Warehouses. <i>Notes on Numerical Fluid Mechanics and Multidisciplinary Design</i> , 2004 , 506-520 | 0.3 | 25 |
| 96 | Using a Multi-agent Architecture to Manage Knowledge in the Software Maintenance Process. <i>Lecture Notes in Computer Science</i> , 2004 , 1181-1188 | 0.9 | 1 |
| 95 | Web Services Security: Is the Problem Solved?. <i>Information Security Journal: A Global Perspective</i> , 2004 , 13, 22-31 | | 9 |
| 94 | Relaxing constraints in enhanced entity-relationship models using fuzzy quantifiers. <i>IEEE Transactions on Fuzzy Systems</i> , 2004 , 12, 780-796 | 8.3 | 24 |
| 93 | AN ONTOLOGY FOR THE MANAGEMENT OF SOFTWARE MAINTENANCE PROJECTS. <i>International Journal of Software Engineering and Knowledge Engineering</i> , 2004 , 14, 323-349 | 1 | 43 |
| 92 | A Survey of Web Services Security. <i>Lecture Notes in Computer Science</i> , 2004 , 968-977 | 0.9 | 5 |
| 91 | FMESP 2004 , | | 3 |
| 90 | Finding "early" indicators of UML class diagrams understandability and modifiability 2004, | | 13 |
| 89 | Extending UML for Designing Secure Data Warehouses. Lecture Notes in Computer Science, 2004, 217-2 | 30 .9 | 8 |
| 88 | Definition and Empirical Validation of Metrics for Software Process Models. <i>Lecture Notes in Computer Science</i> , 2004 , 146-158 | 0.9 | 4 |
| 87 | Empirically Driven Use Case Metamodel Evolution. Lecture Notes in Computer Science, 2004, 1-11 | 0.9 | |
| 86 | An Experimental Replica to Validate a Set of Metrics for Software Process Models. <i>Lecture Notes in Computer Science</i> , 2004 , 79-90 | 0.9 | 1 |

(2003-2004)

| 85 | Managing COTS Components Using a Six Sigma-Based Process. <i>Lecture Notes in Computer Science</i> , 2004 , 553-567 | 0.9 | 4 |
|----|--|-------|----|
| 84 | Quantifying COTS Component Functional Adaptation. <i>Lecture Notes in Computer Science</i> , 2004 , 195-204 | 1 0.9 | 2 |
| 83 | Understanding and Supporting Knowledge Flows in a Community of Software Developers. <i>Lecture Notes in Computer Science</i> , 2004 , 52-66 | 0.9 | 9 |
| 82 | Extending OCL for Secure Database Development. Lecture Notes in Computer Science, 2004, 380-394 | 0.9 | 9 |
| 81 | Experimental validation of multidimensional data models metrics 2003, | | 13 |
| 80 | Defining Metrics for UML Statechart Diagrams in a Methodological Way. <i>Lecture Notes in Computer Science</i> , 2003 , 118-128 | 0.9 | 18 |
| 79 | Towards a database body of knowledge. SIGMOD Record, 2003 , 32, 48-53 | 1.1 | 1 |
| 78 | Assessing Component-Based Systems. Lecture Notes in Computer Science, 2003, 1-20 | 0.9 | 7 |
| 77 | Quality in Conceptual Modeling [New Research Directions. <i>Lecture Notes in Computer Science</i> , 2003 , 243-250 | 0.9 | 7 |
| 76 | Integrated Measurement for the Evaluation and Improvement of Software Processes. <i>Lecture Notes in Computer Science</i> , 2003 , 94-111 | 0.9 | 8 |
| 75 | BACTERIAL MULTIDRUG RESISTANCE MEDIATED BY ABC TRANSPORTERS 2003 , 243-262 | | 4 |
| 74 | Assessing Object-Oriented Conceptual Models Maintainability. <i>Lecture Notes in Computer Science</i> , 2003 , 288-299 | 0.9 | 2 |
| 73 | CALDEA: a data quality model based on maturity levels 2003, | | 5 |
| 72 | No-redundant Metrics for UML Class Diagram Structural Complexity. <i>Notes on Numerical Fluid Mechanics and Multidisciplinary Design</i> , 2003 , 127-142 | 0.3 | 15 |
| 71 | Supporting Software Maintenance in Web Repositories through a Multi-agent System 2003 , 307-317 | | 2 |
| 70 | Designing Secure Databases for OLS. <i>Lecture Notes in Computer Science</i> , 2003 , 886-895 | 0.9 | 6 |
| 69 | A Methodology for Software Maintenance 2003 , 228-254 | | 1 |
| 68 | Environment for Managing Software Maintenance Projects 2003 , 255-291 | | 2 |

| 67 | A Multi-agent System for Knowledge Management in Software Maintenance. <i>Lecture Notes in Computer Science</i> , 2003 , 415-421 | 0.9 | 3 |
|----|---|---------|----|
| 66 | A Three Dimensional Web Quality Model. Lecture Notes in Computer Science, 2003, 384-385 | 0.9 | 6 |
| 65 | Generating three-tier applications from relational databases: a formal and practical approach. <i>Information and Software Technology</i> , 2002 , 44, 923-941 | 3.4 | 22 |
| 64 | Using a qualitative research method for building a software maintenance methodology. <i>Software - Practice and Experience</i> , 2002 , 32, 1239-1260 | 2.5 | 16 |
| 63 | CD++: a toolkit to develop DEVS models. Software - Practice and Experience, 2002, 32, 1261-1306 | 2.5 | 89 |
| 62 | Integrating Outsourcing in the Maintenance Process. <i>Information Technology and Management</i> , 2002 , 3, 247-269 | 1.8 | 12 |
| 61 | Object Oriented Design Knowledge: Ontology and Measurement of Impact. <i>Lecture Notes in Computer Science</i> , 2002 , 153-159 | 0.9 | |
| 60 | Validating metrics for data warehouses. <i>IET Software</i> , 2002 , 149, 161 | | 23 |
| 59 | Metrics for databases: a way to assure the quality. <i>The Kluwer International Series on Advances in Database Systems</i> , 2002 , 57-83 | | 3 |
| 58 | An XMI-Based Repository for Software Process Meta-modeling. <i>Lecture Notes in Computer Science</i> , 2002 , 546-558 | 0.9 | 3 |
| 57 | A Controlled Experiment for Validating Class Diagram Structural Complexity Metrics. <i>Lecture Notes in Computer Science</i> , 2002 , 372-383 | 0.9 | 5 |
| 56 | Quantitative Approaches in Object-Oriented Software Engineering. <i>Lecture Notes in Computer Science</i> , 2002 , 174-183 | 0.9 | 8 |
| 55 | An Empirical Study with Metrics for Object-Relational Databases. <i>Lecture Notes in Computer Science</i> , 2002 , 298-309 | 0.9 | 1 |
| 54 | Quality in Conceptual Modelling. <i>The Kluwer International Series on Advances in Database Systems</i> , 2002 , 13-44 | | 2 |
| 53 | Measuring triggering-interaction complexity on active databases. <i>Information Systems</i> , 2001 , 26, 15-34 | 2.7 | 5 |
| 52 | Empirical validation of referential integrity metrics. <i>Information and Software Technology</i> , 2001 , 43, 949 |)-9,547 | 21 |
| 51 | MANTOOL: a tool for supporting the software maintenance process. <i>Journal of Software: Evolution and Process</i> , 2001 , 13, 77-95 | | 3 |
| 50 | Case study: a maintenance practice used with real-time telecommunications software. <i>Journal of Software: Evolution and Process</i> , 2001 , 13, 97-126 | | 7 |

| 49 | Table Oriented Metrics for Relational Databases. Software Quality Journal, 2001, 9, 79-97 | 1.2 | 17 |
|----|---|--------------|----|
| 48 | A METRIC-BASED APPROACH FOR PREDICTING CONCEPTUAL DATA MODELS MAINTAINABILITY. International Journal of Software Engineering and Knowledge Engineering, 2001 , 11, 703-729 | 1 | 11 |
| 47 | Principles and Patterns in the Object Oriented Design 2001 , 15-24 | | 1 |
| 46 | Using Metrics to Predict OO Information Systems Maintainability. <i>Notes on Numerical Fluid Mechanics and Multidisciplinary Design</i> , 2001 , 388-401 | 0.3 | 19 |
| 45 | Metrics for Controlling Database Complexity 2001 , 48-68 | | 5 |
| 44 | Estimating Object-Relational Database Understandability Using Structural Metrics. <i>Lecture Notes in Computer Science</i> , 2001 , 909-922 | 0.9 | 1 |
| 43 | Metrics for Managing Quality in Information Modeling 2001 , 345-258 | | |
| 42 | Defining Complexity Metrics for Object-Relational Databases 2001 , 391-400 | | |
| 41 | Early metrics for object oriented information systems 2001 , 414-425 | | 1 |
| 40 | Assessment of Maintenance Maturity in IT Departments of Public Entities: Two Case Studies. <i>Lecture Notes in Computer Science</i> , 2001 , 86-97 | 0.9 | 3 |
| 39 | Measuring the Quality of Entity Relationship Diagrams. Lecture Notes in Computer Science, 2000, 513-52 | 6 0.9 | 11 |
| 38 | Introducing the Data Role in Models for Database Assessment. <i>Lecture Notes in Computer Science</i> , 2000 , 48-58 | 0.9 | |
| 37 | Roles in the maintenance process. <i>Software Engineering Notes: an Informal Newsletter of the Special Interest Committee on Software Engineering / ACM</i> , 1999 , 24, 84-86 | 0.4 | 7 |
| 36 | Metrics for Active Database Maintainability. <i>Notes on Numerical Fluid Mechanics and Multidisciplinary Design</i> , 1999 , 472-476 | 0.3 | |
| 35 | Promoting business policies in object-oriented methods. <i>Journal of Systems and Software</i> , 1998 , 41, 105 | -3.35 | 8 |
| 34 | Assessing the impact of coupling on the understandability and modifiability of OCL expressions within UML/OCL combined models | | 5 |
| 33 | Classifying Software Architecture Quality Research | | 1 |
| 32 | Maintainability of software process models: an empirical study | | 2 |

| 31 | Incorporating security issues in the information systems design | 2 |
|----|--|-----|
| 30 | Building UML class diagram maintainability prediction models based on early metrics | 12 |
| 29 | Using XMI and MOF for representation and interchange of software process | 2 |
| 28 | | 5 |
| 27 | Legal requirements reuse: a critical success factor for requirements quality and personal data protection | 21 |
| 26 | Empirical validation of class diagram metrics | 17 |
| 25 | Modeling data using fuzzy attributes | 3 |
| 24 | Using code metrics to predict maintenance of legacy programs: a case study | 11 |
| 23 | Empirical validation of class diagram complexity metrics | 7 |
| 22 | Fuzzy constraints using the enhanced entity-relationship model | 3 |
| 21 | A case study with relational database metrics | 1 |
| 20 | | 4 |
| 19 | | 6 |
| 18 | A Systematic Review of Distributed Software Development583-599 | |
| 17 | A Systematic Literature Review on the Quality of UML Models310-334 | 1 |
| 16 | ISMS Building for SMEs through the Reuse of Knowledge394-419 | |
| 15 | Fundaments of Business Process Archeology. <i>Advances in Business Information Systems and Analytics Book Series</i> ,1-18 |)·4 |
| 14 | Fundaments of Business Process Archeology1-19 | |

LIST OF PUBLICATIONS

1

Model-Driven Reverse Engineering of Open Source Systems1029-1051

A Catalog of Design Rules for OO Micro-Architecture307-347

| 12 | Identifying Secure Mobile Grid Use Cases180-207 | |
|----|---|----|
| 11 | Model-Driven Reengineering200-229 | 1 |
| 10 | COMPETISOFT212-222 | 3 |
| 9 | Audit of Software Maintenance Process67-108 | 1 |
| 8 | Architecture-Driven Modernization. <i>Advances in Computer and Electrical Engineering Book Series</i> ,75-103 o.3 | 10 |
| 7 | Healthcare Process Development with BPMN1024-1047 | 5 |
| 6 | QRev: migrating quantum code towards hybrid information systems. <i>Software Quality Journal</i> ,1 1.2 | |
| 5 | Auditing the Governance and Management of Green IT. <i>Journal of Computer Information Systems</i> ,1-11 1.9 | 1 |
| 4 | Quantum software testing: State of the art. <i>Journal of Software: Evolution and Process</i> , 1 | O |
| 3 | The Object-Oriented Design Knowledge1-7 | |
| 2 | The Object-Oriented Design Knowledge Ontology8-22 | |