Year	Source Title (Click to follow hyperlink to source)	Baseline (B)	Version (V)
1988	FAA AC 25.1309-1A System Design and Analysis	7009	1.0
1990	The Public Inquiry into the Piper Alpha Disaster	7009	2.1
1992	Authentication in distributed systems: theory and practice	7009	2.1
1993	The Consensus Problem in Fault-Tolerant Computing	7009	1.0
1996	Ariane 5 Flight 501 Failure Report	7009	2.1
1996	How did software get so reliable without proof?	7009	2.1
2002	A Review of Selected Aviation Human Factors Taxonomies, Accident/Incident Reporting Systems, and Data Collection Tools	9.1	2.0
2003	IEC 60300-3-1:2003 Dependability management - Part 3-1: Application guide - Analysis techniques for dependability - Guide on methodology	7009	1.0
2003	Parachute use to prevent death and major trauma related to gravitational challenge: systematic review of randomised controlled trials	7009	1.0
2003	A review of process fault detection and diagnosis Part I: Quantitative model-based methods	7009	1.0
2003	A review of process fault detection and diagnosis Part II: Qualitative models and search strategies	7009	1.0
2003	A review of process fault detection and diagnosis Part III: Process history based methods	7009	1.0
2004	Basic concepts and taxonomy of dependable and secure computing	7009	1.0
2004	A Taxonomy and Catalog of Runtime Software-Fault Monitoring Tools	7009	1.1
2004	Design for Timing Predictability	7009	1.0
2005	Methods for Fault Detection, Diagnostics, and Prognostics for Building Systems— A Review, Part I	7009	1.0
2005	Execution monitoring in robotics: A survey	7009	1.0
2005	WHO Draft Guidelines for Adverse Event Reporting and Learning Systems	9.1	2.0
2006	Safety in design – Can one industry learn from another?	9.1	2.0
2007	IEC 60300-3-4:2007 Dependability management - Part 3-4: Application guide - Guide to the specification of dependability requirements	7009	1.0
2007	Software for Dependable Systems: Evidence?	7009	1.0
2007	Argumentation in artificial intelligence	7009	2.1
2008	A review of current defeasible reasoning implementations	7009	2.1
2008	The Worst-Case Execution-Time Problem — Overview of Methods and Survey of Tools	7009	1.0
2008	Bibliographical review on reconfigurable fault-tolerant control systems	7009	1.0
2009	A systematic review of search-based testing for non-functional system properties	7009	1.0
2009	A systematic review of software fault prediction studies	7009	1.0
2009	Anomaly Detection: A Survey	7009	1.0
2009	The Nimrod Review	7009	2.1
2009	Learning From Process Safety Incidents	9.1	2.0
2009	IEC 60300-3-15:2009 Dependability management - Part 3-15: Application guide - Engineering of system dependability	7009	1.0
2009	Software Model Checking	7009	1.0
2009	Aleatory or epistemic? Does it matter?	7009	2.1
2009	A brief account of runtime verification	7009	1.0
2009	Towards an International Classification for Patient Safety: key concepts and terms	9.1	2.0
2009	Self-Adaptive Software: Landscape and Research Challenges	7009	1.0
2009	A systematic literature review to identify and classify software requirement errors	7009	1.0
2009	Reliability engineering: Old problems and new challenges	7009	1.1
2010	IEC 61508-1:2010 Functional safety of electrical/electronic/programmable electronic safety-related systems – Part 1: General requirements	7009	1.0
2010	IEC 61508-2:2010 Functional safety of electrical/electronic/programmable electronic safety-related systems – Part 2: Requirements for electrical/electronic/programmable electronic safety-related systems	7009	1.0
2010	IEC 61508-3:2010 Functional safety of electrical/electronic/programmable electronic safety-related systems – Part 3: Software requirements	7009	1.0
2010	IEC 61508-4:2010 Functional safety of electrical/electronic/programmable electronic safety-related systems – Part 4: Definition and abbreviations	7009	1.0
2010	IEC 61508-5:2010 Functional safety of electrical/electronic/programmable electronic safety-related systems – Part 5: examples of methods for the determination of safety integrity levels	7009	1.0
2010	IEC 61508-6:2010 Functional safety of electrical/electronic/programmable electronic safety-related systems – Part 6: Guidelines on the application of IEC 61508-2 and IEC 61508-3	7009	1.0
2010	IEC 61508-7:2010 Functional safety of electrical/electronic/programmable electronic safety-related systems – Part 7: Overview of techniques and measures	7009	1.0
2010	Requirements engineering for software product lines: A systematic literature review	7009	1.0
2010	Monitoring Distributed Real-Time Systems: A Survey and Future Directions	7009	1.0
2010	Software safety: relating software assurance and software integrity	7009	2.1
2010	An analysis of computer-related patient safety incidents to inform the development of a classification	9.1	2.0
2010	Improving Software Dependability Using System-Level Virtualization: A Survey	7009	1.1
2010	A Survey of Online Failure Prediction Methods	7009	1.0
2011	An introduction to argumentation semantics	7009	2.1
2011	Runtime Verification for LTL and TLTL	7009	1.0
2011	Software fault prediction: A literature review and current trends	7009	1.0
2011	Principles of remote attestation	7009	1.2
2011	RTCA DO-178C Software Considerations in Airborne Systems and Equipment Certification	7009	1.0
2011	A Systematic Review of Goal-oriented Requirements Management Frameworks for Business Process Compliance	7009	1.0
2011	A Template for Predictability Definitions with Supporting Evidence	7009	1.0
2011	Method for evaluating learning from incidents using the idea of "level of learning"	7009	1.1
2011	A Systematic Review and Taxonomy of Runtime Invariance in Software Behaviour	7009	1.1
2011	Model-based fault diagnosis for aerospace systems: a survey	7009	1.0
2011	Building Safety indicators: Part 1 – Theoretical foundation.	9.1	2.0
2011	The challenge of collective learning from event analysis.	9.1	2.0
2011	A review of medical error taxonomies: A human factors perspective.	9.1	2.0
2012	ISO Guide 78:2012 Safety of machinery – Rules for drafting and presentation of safety standards	7009	1.0
2012	AF447 Accident Final Report (English Version)	7009	2.1
2012	Dependability Modeling and Analysis of Software Systems Specified with UML	7009	1.0
2012	Processing Flows of Information: From Data Stream to Complex Event Processing	7009	1.0
2012	A Comprehensive Overview of Medical Error in Hospitals Using Incident-Reporting Systems, Patient Complaints and Chart Review of Inpatient Deaths.	9.1	2.0
2012	A Systematic Literature Review on Fault Prediction Performance in Software Engineering	7009	1.0
2012	Proof Testing ... the Challenges	7009	1.3
2012	Terms used in patient safety related to medication: a literature review.	9.1	2.0
2012	MIL-STD-882E: Department of Defense Standard Practice System Safety	7009	1.0
2012	Learning from adverse events in the nuclear power industry: Organizational learning, policy making and normalization.	9.1	2.0
2012	Is time predictability quantifiable?	7009	1.0
2013	ISO/IEC/IEEE 29119-1:2013 Software and systems engineering -- Software testing -- Part 1: Concepts and definitions	7009	1.0
2013	ISO/IEC/IEEE 29119-2:2013 Software and systems engineering -- Software testing -- Part 2: Test processes	7009	1.0
2013	ISO/IEC/IEEE 29119-3:2013 Software and systems engineering -- Software testing -- Part 3: Test documentation	7009	1.0
2013	Run-Time Monitoring of Timing Constraints: A Survey of Methods and Tools	7009	1.0
2013	Separation of concerns in feature diagram languages: A systematic survey	7009	1.0
2013	Resilience Principles for Engineered Systems	7009	1.0
2013	Intrusion detection system: A comprehensive review	7009	1.0
2013	Classification of Fault Diagnosis Methods for Control Systems	7009	1.0
2013	Software fault prediction metrics: A systematic literature review	7009	1.0
2013	A systematic review of software robustness	7009	1.0
2014	ISO/IEC Guide 51:2014 Safety aspects – Guidelines for their inclusion in standards	7009	1.0
2014	IEC 60300-1:2014 - Dependability management - Part 1: Guidance for management and application	7009	1.0
2014	Building Timing Predictable Embedded Systems	7009	1.0
2014	How experts deal with novel situations: A review of adaptive expertise	7009	1.0
2014	What Is Learning? A Review of the Safety Literature to Define Learning from Incidents, Accidents and Disasters.	9.1	2.0
2014	An extended systematic literature review on provision of evidence for safety certification	7009	1.0
2014	A review of novelty detection	7009	1.1
2014	Adverse events in healthcare: learning from mistakes.	9.1	2.0
2014	Patient complaints in healthcare systems: a systematic review and coding taxonomy.	9.1	2.0
2014	Bridging control and artificial intelligence theories for diagnosis: A survey	7009	1.0
2014	Classifying errors in preventable and potentially preventable trauma deaths: a 9-year review using the Joint Commission's standardized methodology.	9.1	2.0
2014	Quality of reporting in systematic reviews of adverse events: systematic review.	9.1	2.0
2015	ISO/IEC/IEEE 15288:2015 System and software engineering – System life cycle process	7009	1.0
2015	ISO/IEC/IEEE 29119-4:2015 Software and systems engineering -- Software testing -- Part 4: Test techniques	7009	1.0
2015	IEC 60050-192:2015 International Electotechnical Vocabulary (IEV) – Part 192: Dependability	7009	1.0
2015	Learning from patient safety incidents in incident review meetings: Organisational factors and indicators of analytic process effectiveness.	9.1	2.0
2015	Implications of black swans to the foundations and practice of risk assessment and management	7009	1.3
2015	The Multiple Facets of Software Diversity: Recent Developments in Year 2000 and Beyond	7009	1.0
2015	Fault detection, diagnosis and recovery using Artificial Immune Systems: A review	7009	1.0
2015	On the rationale of resilience in the domain of safety: A literature review	7009	1.0
2015	A Review of Prognostics and Health Management Applications in Nuclear Power Plants	7009	1.0
2015	Assessing propensity to learn from safety-related events	7009	1.1
2015	Emerging risk – Conceptual definition and a relation to black swan type of events	7009	1.3
2015	A Survey of Fault Diagnosis and Fault-Tolerant Techniques Part I: Fault Diagnosis with Model-Based and Signal-Based Approaches	7009	1.0
2015	Maritime transportation risk analysis: Review and analysis in light of some foundational issues	7009	1.0
2015	The missing evidence: a systematic review of patients' experiences of adverse events in health care.	9.1	2.0
2015	Reporting and Recordkeeping Requirements: Their Influence on Safety Management in the U.S. and the U.K	9.1	2.0
2015	Identifying patient safety problems associated with information technology in general practice: an analysis of incident reports.	9.1	2.0
2015	Evaluating Computer Intrusion Detection Systems: A Survey of Common Practices	7009	1.0
2015	Systems of Systems Engineering: Basic Concepts, Model-Based Techniques, and Research Directions	7009	2.0
2015	A systematic literature review of resilience engineering: Research areas and a research agenda proposal	7009	1.0
2015	How Effective Are Incident-Reporting Systems for Improving Patient Safety? A Systematic Literature Review	7009	1.1
2015	Designing Resilient Systems-of-Systems: A Survey of Metrics, Methods, and Challenges	7009	1.1
2015	Improving the risk assessments of critical operations to better reflect uncertainties and the unforeseen	7009	1.3
2016	IEEE Std 1012-2016/Cor1-2017 Standard for System, Software, and Hardware Verification and Validation	7009	1.0
2016	Formal Dependability Modeling and Analysis: A Survey	7009	1.0
2016	Risk assessment and risk management: Review of recent advances on their foundation	7009	1.0
2016	BS8611:2016 Robots and robotic devices. Guide to the ethical design and application of robots and robotic systems	7009	2.1
2016	Exploring Language Support for Immutability	7009	2.1
2015	Argumentation for Machine Learning: A Survey	7009	2.1
2016	Prognostics: a literature review	7009	1.0
2016	Robots and robotic devices. Guide to the ethical design and application of robots and robotic systems	7009	2.1
2016	The Healthcare Complaints Analysis Tool: development and reliability testing of a method for service monitoring and organisational learning.	9.1	2.0
2016	Reporting of Adverse Events in Published and Unpublished Studies of Health Care Interventions: A Systematic Review.	9.1	2.0
2016	A systematic review on the engineering of software for ubiquitous systems	7009	1.0
2016	A review of definitions and measures of system resilience	7009	1.0
2016	IET Code of Practice: Competency for Safety-Related Systems Practitioners	7009	2.1
2016	Data quality in internet of things: A state-of-the-art survey	7009	1.0
2016	The Probabilistic Model Checking Landscape	7009	1.0
2016	Application of Human Factors Analysis and Classification System (HFACS) to UK rail safety-of-the-line incidents.	9.1	2.0
2016	Requirements engineering for safety-critical systems: A systematic literature review	7009	1.0
2016	A survey of techniques for approximate computing	7009	1.0
2016	Learning from major accidents to improve system design.	9.1	2.0
2016	Assessing Dependability with Software Fault Injection: A Survey	7009	1.0
2016	A Study of Security Isolation Techniques	7009	1.0
2016	Definitions of predictability for Cyber Physical Systems	7009	1.0
2016	Process safety indicators, a review of literature.	9.1	2.0
2016	An Industrial Survey of Safety Evidence Change Impact Analysis Practice	7009	2.1
2016	Requirements monitoring frameworks: A systematic review	7009	1.0
2016	Use Cases for Autonomous Driving	7009	2.1
2016	A Survey on Software Fault Localization	7009	1.0
2016	Engineering Resilience Quantification and System Design Implications: A Literature Survey	7009	1.0
2017	ISO/IEC/IEEE 12207:2017 Software and systems engineering – Software life cycle process	7009	1.0
2017	ISO/IEC/IEEE 24765:2017 System and software engineering – Vocabulary	7009	1.0
2017	The impact of health information technology on patient safety	9.1	2.0
2017	Toward Artificial Argumentation	7009	2.1
2017	Mobile Agents System Security: A Systematic Survey	7009	1.0
2017	A Survey of Research into Mixed Criticality Systems	7009	1.0
2017	A Survey of Runtime Monitoring Instrumentation Techniques	7009	1.0
2017	Reasoning About Confidence and Uncertainty in Assurance Cases: A Survey	7009	1.0
2017	The FAA and Industry Guide To Product Certification	7009	1.2
2017	Near-miss management systems and observability-in-depth: Handling safety incidents and accident precursors in light of safety principles	9.1	2.0
2017	Validity and validation of safety-related quantitative risk analysis: A review	7009	1.2
2017	An investigation of proposed techniques for quantifying confidence in assurance arguments	7009	2.1
2017	The application of the Global Trigger Tool: a systematic review.	9.1	2.0
2017	Patient Safety Learning Systems: A Systematic Review and Qualitative Synthesis	7009	1.1
2017	Imitation Learning: A Survey of Learning Methods	7009	1.0
2017	Software Standards and Software Failures: A Review With the Perspective of Varying Situational Contexts	7009	1.1
2017	Problems with health information technology and their effects on care delivery and patient outcomes: a systematic review.	9.1	2.0
2017	Hardware-Based Trusted Computing Architectures for Isolation and Attestation	7009	2.1
2017	A systematic literature review on methods that handle multiple quality attributes in architecture-based self-adaptive systems	7009	1.0
2017	Research and development agenda for Learning from Incidents	7009	1.1
2017	Systematic Review of Software Behavioral Model Consistency Checking	7009	1.0
2017	A comparison framework for runtime monitoring approaches	7009	1.0

Year	Title	Ref	Ver
2017	Industrial Process Monitoring in the Big Data/Industry 4.0 Era: From Detection, to Diagnosis, to Prognosis	7009	1.0
2017	Detection and resolution of normative conflicts in multi-agent systems: a literature survey	7009	1.0
2017	Control-Theoretical Software Adaptation: A Systematic Literature Review	7009	1.0
2017	A Software-Based Monitoring Framework for Time-Space Partitioned Avionics System	7009	1.3
2017	On a Formal Model of Safe and Scalable Self-driving Cars	7009	2.1
2017	A Survey and Comparative Study of Hard and Soft Real-Time Dynamic Resource Allocation Strategies for Multi-/Many-Core Systems	7009	1.0
2017	Classification of risk acceptability and risk tolerability factors in occupational health and safety	7009	1.0
2017	Cooperative Multi-Agent Planning: A Survey	7009	1.0
2017	Fault and Error Tolerance in Neural Networks: A Review	7009	1.0
2017	Integration between requirements engineering and safety analysis: A systematic literature review	7009	1.0
2017	Industrial Big Data for Fault Diagnosis: Taxonomy, Review, and Applications	7009	1.0
2017	A survey on formal specification and verification of separation kernels	7009	1.0
2018	ISO 26262:2018 Road vehicles – Functional safety – Part 1: Vocabulary	7009	1.0
2018	ISO/IEC/IEEE 29148:2018 System and software engineering – Life cycle process – Requirements engineering	7009	1.0
2018	ISO 31000:2018, Risk management – Guidelines	7009	1.0
2018	Peeking Inside the Black-Box: A Survey on Explainable Artificial Intelligence (XAI)	7009	1.0
2018	A Survey of Statistical Model Checking	7009	1.0
2018	Considerations in Assuring Safety of Increasingly Autonomous Systems	7009	1.3
2018	Development of a human error taxonomy for software requirements: A systematic literature review	7009	1.0
2018	Improving government policy on risk: Eight key principles	7009	1.0
2018	A Survey on Fault Detection, Isolation, and Reconfiguration Methods in Electric Ship Power Systems	7009	1.0
2018	Fault analysis of service-oriented systems: a systematic literature review	7009	1.0
2018	Integrating Safety and Reliability Analysis into MBSE: overview of the new proposed OMG standard	7009	2.1
2018	Who Watches the Watchmen: A Security-focused Review on Current State-of-the-art Techniques, Tools, and Methods for Systems and Binary Analysis on Modern Platforms	7009	1.0
2018	Metamorphic Testing: A Review of Challenges and Opportunities	7009	1.3
2018	Monitoring norms: a multi-disciplinary perspective	7009	1.1
2018	Agile Usage in Embedded Software Development in Safety Critical Domain–a Systematic Review	7009	1.1
2018	Multi-Agent Systems: A Survey	7009	1.0
2018	Computational monitoring in real time: review of methods and applications	7009	1.0
2019	How C++ developers use immutability declarations: an empirical study	7009	2.1
2018	A Taxonomy for Classifying Runtime Verification Tools	7009	1.0
2018	Maturity models and safety culture: A critical review	7009	1.0
2018	A Survey of Physics-Based Attack Detection in Cyber-Physical Systems	7009	1.0
2018	Back to the future: What do accident causation models tell us about accident prediction?	7009	1.1
2018	A Survey on Formal Verification Techniques for Safety-Critical Systems-on-Chip	7009	1.0
2018	A Survey of Methods for Explaining Black Box Models	7009	1.0
2018	A conceptual model of agile software development in a safety-critical context_ A systematic literature review	7009	1.0
2018	"Dave...I can assure you ...that it's going to be all right ..." A Definition, Case for, and Survey of Algorithmic Assurances in Human-Autonomy Trust Relationships	7009	1.0
2018	A systematic review of requirements change management	7009	1.0
2018	Dependability analysis of safety critical systems: Issues and challenges	7009	1.0
2018	On Fault Detection and Diagnosis in Robotic Systems	7009	1.0
2018	Safety management systems: A broad overview of the literature	9.1	2.0
2018	Fault and timing analysis in critical multi-core systems: A survey with an avionics perspective	7009	1.0
2018	Hardware-Based Trusted Computing Architectures for Isolation and Attestation	7009	1.0
2018	Key strategies to improve systems for managing patient complaints within health facilities – what can we learn from the existing literature	9.1	2.0
2018	Automatic Software Repair: A Bibliography	7009	1.0
2018	Towards connected autonomous driving: review of use-cases	7009	2.1
2018	Licensing of safety critical software for nuclear reactors: Common position of international nulcear regulators and authorised technical support organisations	7009	1.0
2018	Control-Theoretical Software Adaptation: A Systematic Literature Review	7009	1.0
2018	Risk Analysis: Fundamental Principles	7009	1.0
2018	Society for Risk Analysis Glossary	7009	1.0
2018	Failure to learn from safety incidents: Status, challenges and opportunities	7009	1.1
2018	Group Deviation Detection Methods: A Survey	7009	1.1
2018	Defence-in-Depth and Diversity: Challenges Related to I&C Architecture	7009	1.0
2018	Mining Electronic Health Records (EHRs): A Survey	9.1	2.0
2019	ISO/IEC/IEEE 15026-1:2019 System and software engineering – System and software assurance – Part 1: Concepts and vocabulary	7009	1.0
2019	ISO/IEC/IEEE 15289:2019 System and software engineering – Contents of life-cycle information items (documentation)	7009	1.0
2019	ISO/PAS 21448:2019 Road vehicles – Safety of the intended functionality	7009	1.0
2019	IEC/ISO/IEEE 82079-1:2019 Preparation of information for use (instructions for use) of products – Part 1: Principles and general requirements	7009	1.0
2019	Can Complexity-Thinking Methods Contribute to Improving Occupational Safety in Industry 4.0? A Review of Safety Analysis Methods and Their Concepts	7009	1.3
2019	A Systematic Literature Mapping of Goal and Non-Goal Modelling Methods for Legal and Regulatory Compliance	7009	1.0
2019	Soft Computing Techniques for Dependable Cyber-Physical Systems	7009	1.0
2019	Communicating uncertainty about facts, numbers and science	7009	1.0
2019	The emergence of artificial intelligence and machine learning algorithms in healthcare: Recommendations to support governance and regulation	7009	2.1
2019	Probabilistic Worst-Case Timing Analysis: Taxonomy and Comprehensive Survey	7009	1.0
2019	Artificial intelligence, bias and clinical safety	7009	1.0
2019	Use and Understanding of Anonymization and De-Identification in the Biomedical Literature: Scoping Review	9.1	2.0
2019	STRAM: Measuring the Trustworthiness of Computer-Based Systems	7009	1.0
2019	Avoiding Engineering Catastrophe: New Insights from Data.	9.1	2.0
2019	Failure Prognosis and Applications—A Survey of Recent Literature	7009	1.0
2019	The efficacy of industrial safety science constructs for addressing serious injuries & fatalities (SIFs).	9.1	2.0
2019	Self-awareness in Software Engineering: A Systematic Review	7009	1.0
2019	Big Data and discrimination: perils, promises and solutions. A systematic review	7009	1.0
2019	A survey on software testability	7009	1.0
2019	New Opportunities for Integrated Formal Methods	7009	1.0
2019	Real-time big data processing for anomaly detection: A Survey	7009	1.0
2019	Adverse events in prehospital emergency care: a trigger tool study.	9.1	2.0
2019	What do applications of systems thinking accident analysis methods tell us about accident causation? A systematic review of applications between 1990 and 2018	9.1	2.0
2019	A Survey of Flight Anomaly Detection Methods: Challenges and Opportunities	9.1	2.0
2019	Methods and Tools for Policy Analysis	7009	1.0
2019	Security Modeling of Autonomous Systems: A Survey	7009	1.0
2019	ML-based Fault Injection for Autonomous Vehicles:A Case for Bayesian Fault Injection	7009	2.1
2019	How does aviation industry measure safety performance? Current practice and limitations	9.1	2.0
2019	Fault Detection and Diagnosis in Multi-Robot Systems: A Survey	7009	1.0
2019	Aircraft Accident Investigation Report PT. Lion Mentari Airlines Boeing 737-8(MAX); PK-LQP	7009	2.1
2019	Learning from language problem related accident information in the process industry: A literature study	7009	1.1
2019	Formal Specification and Verification of Autonomous Robotic Systems: A Survey	7009	1.0
2019	A Survey of Timing Verification Techniques for Multi-Core Real-Time Systems	7009	1.0
2019	A Survey of Tool-supported Assurance Case Assessment Techniques	7009	1.0
2019	Norm emergence in multiagent systems: a viewpoint paper	7009	1.0
2019	A perspective on ensuring predictability in time-critical and secure cooperative cyber physical systems	7009	1.0
2019	A Review: Prognostics and Health Management in Automotive and Aerospace	7009	1.0
2019	UAS Operators Safety and Reliability Survey: Emerging Technologies Towards the Certification of Autonomous UAS	7009	1.0
2019	A Survey on Multithreading Alternatives for Soft Error Fault Tolerance	7009	1.0
2019	Prevalence, severity, and nature of preventable patient harm across medical care settings: systematic review and meta-analysis.	9.1	2.0
2019	Incorporating inherent safety during the conceptual process design stage: A literature review	7009	1.0
2019	An Exhaustive Survey on Security Concerns and Solutions at Different Components of Virtualization	7009	1.0
2019	Safety intelligence: Incremental proactive risk management for holistic aviation safety performance.	9.1	2.0
2019	A domain analysis of resource and requirements monitoring: Towards a comprehensive model of the software monitoring domain	7009	1.1
2019	Towards Harmonizing Safety Databases: An Assessment of Existing Data Sources.	9.1	2.0
2019	Model Conformance for Cyber-Physical Systems: A Survey	7009	1.0
2019	A survey of challenges for runtime verification from advanced application domains (beyond software)	7009	1.0
2019	Deployment of Critical Incident Reporting System (CIRS) in public Styrian hospitals: a five year perspective	9.1	2.0
2019	The cost of learning from failures and mistakes in product design: reviewing the literature.	9.1	2.0
2019	Development and quantitative evaluation of leading and lagging metrics of emergency planning and response element for sustainable process safety performance.	9.1	2.0
2019	Artificial Intelligence Versus Clinicians in Disease Diagnosis: Systematic Review	7009	1.0
2019	Introduction to Survival Analysis in Practice	9.1	2.1
2019	Security and Privacy for the Internet of Medical Things Enabled Healthcare Systems: A Survey	9.1	2.0
2019	Anomaly Detection Methods for Categorical Data: A Review	7009	1.0
2019	Self Diagnostics and Isolation Mechanisms for Mixed Criticality Systems	7009	1.1
2019	Considering patient safety in autonomous e-mental health systems – detecting risk situations and referring patients back to human care	7009	2.1
2019	A review of diagnostic and prognostic capabilities and best practices for manufacturing	7009	1.0
2019	Progress in Outlier Detection Techniques: A Survey	9.1	2.0
2019	Conceptualizing resilience in engineering systems: An analysis of the literature	7009	1.0
2020	ISO/IEC TR 29119-11:2020 Software and systems engineering -- Software testing -- Part 11: Guidelines on the testing of AI-based systems	7009	1.0
2020	IEC 61226:2020 Nuclear power plants – Instrumentation, control and electrical power systems important to safety – Categorization of functions and classification of systems	7009	1.0
2020	A Survey of Machine and Deep Learning Methods for Internet of Things (IoT) Security	7009	1.0
2020	The role of inherently safer design in process safety	7009	1.0
2020	Approximate Triple Modular Redundancy: A Survey	7009	1.0
2020	Explainable Artificial Intelligence (XAI): Concepts, taxonomies, opportunities and challenges toward responsible AI	7009	1.0
2020	Self-aware Cyber-Physical Systems	7009	1.0
2020	Resilience in railway transport systems: a literature review and research agenda	7009	1.0
2020	Outlier Detection: Methods, Models, and Classification	7009	1.0
2020	Multi-Core Devices for Safety-Critical Systems: A Survey	7009	1.0
2020	The safety of health care for ethnic minority patients: a systematic review.	9.1	2.0
2020	Role of Artificial Intelligence in Patient Safety Outcomes: Systematic Literature Review	9.1	2.0
2020	Deductive Verification with Ghost Monitors	7009	1.3
2020	Smart Home Personal Assistants: A Security and Privacy Review.	9.1	2.0
2020	On the Monitoring of Decentralized Specifications: Semantics, Properties, Analysis, and Simulation	7009	1.3
2020	Towards a framework for certification of reliable autonomous systems	7009	1.2
2020	Systematic review on the implementation methodologies of inherent safety in chemical process	7009	1.2
2020	From event logs to goals: a systematic literature review of goal-oriented process mining	7009	1.0
2020	Global Mining Guideline Group: Guideline For Applying Functional Safety To Autonomous Systems In Mining	7009	2.1
2020	The development history of accident causation models in the past 100 years: 24Model, a more modern accident causation model	7009	1.1
2020	Reporting as a Key Element of an Effective Near-Miss Management System in Shipping	9.1	2.0
2020	Preventable medication harm across health care settings: a systematic review and meta-analysis.	9.1	2.0
2020	Resilient Health Care: a systematic review of conceptualisations, study methods and factors that develop resilience	7009	1.3
2020	Towards multi-model approaches to predictive maintenance: a systematic literature survey on diagnostics and prognostics	7009	1.0
2020	Sensemaking in Critical Situations and in Relation to Resilience—A Review.	9.1	2.0
2020	A systematic review of unsupervised learning techniques for software defect prediction	7009	1.0
2020	Reducing unknown risk: The safety engineers' new horizon	9.1	1.1
2020	Safety barriers: Research advances and new thoughts on theory, engineering and management	7009	1.0
2020	Incorporating inherent safety during the conceptual process design stage: A literature review	7009	1.0
2020	Data-theoretic approach for socio-technical risk analysis: Text mining licensee event reports of U.S. nuclear power plants	9.1	2.0
2020	Precautionary Principle (PP) versus As Low As Reasonably Practicable (ALARP): Which one to use and when	7009	1.0
2020	Software Verification and Validation of Safe Autonomous Cars: A Systematic Literature Review	7009	1.0
2020	Resilience Engineering Indicators and Safety Management: A Systematic Review	7009	1.0
2020	Anomaly Detection in Road Traffic Using Visual Surveillance: A Survey.	9.1	2.0
2020	Bridging the Gap Between Ethics and Practice: Guidelines for Reliable, Safe, and Trustworthy Human-centered AI Systems	7009	1.0
2020	Automatic Incident Triage in Radiation Oncology Incident Learning System	9.1	2.0
2020	Coverage-based testing for V&V and Safety Assurance of Self-driving Autonomous Vehicles: A Systematic Literature Review	7009	1.0
2020	Privacy-Preserving Deep Learning on Machine Learning as a Service – a Comprehensive Survey	9.1	2.0
2020	Sensor data quality: a systematic review	7009	1.0
2020	Patient and healthcare worker safety risks and injuries. Learning from incident reporting.	9.1	2.0
2020	It's time to step it up. Why safety investigations in healthcare should look more to safety science	7009	1.1
2020	Safety Classification for I&C Systems in Nuclear Power Plants – Current Status and Difficulties	7009	1.0
2020	Research on Artificial Intelligence Enhancing Internet of Things Security: A Survey	7009	1.0
2020	Toward General Principles for Resilience Engineering	7009	1.0
2020	Testing and verification of neural-network-based safety-critical control software: A systematic literature review	7009	1.0
2020	Machine Learning Testing: Survey, Landscapes and Horizons	7009	1.0
2020	A Survey on Privacy Properties for Data Publishing of Relational Data	9.1	2.0
2021	ISO/IEC/IEEE 15026-4:2021 Systems and software engineering–Systems and software assurance -- Part 4: Assurance in the life cycle	7009	1.0
2021	ISO/IEC/IEEE 24774:2021 System and software engineering – Life cycle management – Specification for process description	7009	1.0
2021	IEEE Std 7000-2021, Standard Model Process for Addressing Ethical Concerns during System Design	7009	1.0
2021	IEEE Std 7001-2021, Standard for Transparency of Autonomous Systems	7009	1.0
2021	RML: Theory and practice of a domain specific language for runtime verification	7009	1.3
2021	Assuring the Machine Learning Lifecycle: Desiderata, Methods, and Challenges	7009	1.0
2021	The ETH Zurich curated nuclear events database: Layout, event classification, and analysis of contributing factors	7009	1.1
2021	Precursors and startling lessons: Statistical analysis of 1250 events with Safety significance from the civil nuclear sector	7009	1.1
2021	The potential of artificial intelligence to improve patient safety: a scoping review	9.1	2.0

Year	Title		
2021	A Review on Fact Extraction and Verification	9.1	2.0
2021	A Survey on Resilience in the IoT: Taxonomy, Classification, and Discussion of Resilience Mechanisms	7009	1.0
2021	A Review on Outlier/Anomaly Detection in Time Series Data	7009	1.0
2021	Log-based software monitoring: a systematic mapping study	7009	1.0
2021	A Survey on Data-driven Network Intrusion Detection	7009	1.0
2021	Learning from Incidents: A Qualitative Study in the Continuing Airworthiness Sector.	9.1	2.0
2021	A Survey of Algorithms for Black-Box Safety Validation of Cyber-Physical Systems	7009	1.1
2021	Multilayered review of safety approaches for machine learning-based systems in the days of AI	7009	1.0
2021	Conceptual Classification of Leading Indicators for the Dynamic Analysis of Emerging Risks in Integrated Management Systems.	9.1	2.0
2021	Deep Learning for Medical Anomaly Detection – A Survey	7009	1.0
2021	Bridging the gap between single- and multi-model predictive runtime verification	7009	1.3
2021	Toward a Holistic Approach to Verification and Validation of Autonomous Cognitive Systems	7009	1.3
2021	On the nature and types of anomalies: a review of deviations in data	7009	1.1
2021	A review on resilience assessment of energy systems	7009	1.0
2021	Policy, Regulations and Standards in Prognostics and Health Management	7009	1.0
2021	Human factors and nuclear safety since 1970 – A critical review of the past, present and future	9.1	2.0
2021	A Survey on Automated Log Analysis for Reliability Engineering	7009	1.0
2021	An International Perspective on Definitions and Terminology Used to Describe Serious Reportable Patient Safety Incidents: A Systematic Review	7009	1.1
2021	Flexible Mechanisms for Remote Attestation	9.1	2.0
2021	Systemic risk analyses for potential impacts of onshore unconventional oil and gas development on public health and the environment: A critical review.	9.1	2.0
2021	A Taxonomy and Review of Remote Attestation Schemes in Embedded Systems	7009	1.2
2021	Health system responsiveness: a systematic evidence mapping review of the global literature.	9.1	2.0
2021	Challenges and Opportunities of System-Level Prognostics	7009	1.0
2021	Condition Monitoring of Rail Transport Systems: A Bibliometric Performance Analysis and Systematic Literature Review	7009	1.0
2021	A Systematic Review on Software Robustness Assessment	7009	1.0
2021	Arms Race in Adversarial Malware Detection: A Survey	7009	1.0
2021	Technology development and commercial applications of industrial fault diagnosis system: a review	7009	1.0
2021	A Systematic Literature Review on Federated Machine Learning: From a Software Engineering Perspective	7009	1.0
2021	Risk-Acceptance Criteria in Occupational Health and Safety Risk-Assessment—The State-of-the-Art through a Systematic Literature Review	7009	1.2
2021	A Survey of Cybersecurity Certification for the Internet of Things	7009	1.0
2021	Software Defect Prediction Using Ensemble Learning: A Systematic Literature Review	7009	1.0
2021	Machine Learning–based Cyber Attacks Targeting on Controlled Information: A Survey	7009	1.0
2021	Survey on Periodic Scheduling for Time-triggered Hard Real-time Systems	7009	1.0
2021	A Survey of AIOps Methods for Failure Management	7009	1.0
2021	A Comprehensive Survey on Security and Privacy for Electronic Health Data	9.1	2.0
2021	A Survey of Reinforcement Learning Algorithms for Dynamically Varying Environments	7009	1.0
2021	Deep Learning for Anomaly Detection: A Review	7009	1.0
2021	Hierarchical Reinforcement Learning: A Comprehensive Survey	7009	1.0
2021	Learning software configuration spaces: A systematic literature review	7009	1.1
2021	Infrastructure resilience curves: Performance measures and summary metrics	7009	1.0
2021	Conceptualising Project Uncertainty in the Context of Building Refurbishment Safety: A Systematic Review	7009	1.0
2021	A Survey of Deep Active Learning	7009	1.0
2021	Adversarial Machine Learning Attacks and Defense Methods	7009	1.0
2021	The Indefeasibility Criterion for Assurance Cases	7009	2.1
2021	Machine Learning for Detecting Data Exfiltration: A Review	7009	1.0
2021	Predicting major hazard accidents in the process industry based on organizational factors: A practical, qualitative approach.	9.1	2.0
2021	Why Learning Opportunities From Aviation Incidents Are Lacking.	9.1	2.0
2021	A Taxonomy to Unify Fault Tolerance Regimes for Automotive Systems: Defining Fail-Operational, Fail-Degraded, and Fail-Safe	7009	1.0
2021	Gray-box monitoring of hyperproperties with an application to privacy	7009	1.3
2021	A Survey of Smart Contract Formal Specification and Verification	7009	1.0
2021	Implementations in Machine Ethics: A Survey	7009	1.0
2021	Argumentation and explainable artificial intelligence: a survey	7009	1.0
2021	Overview on hybrid approaches to fault detection and diagnosis: Combining data-driven, physics-based and knowledge-based models	7009	1.0
2021	Different Interpretations of Regulatory Requirements	7009	1.0
2021	A Comprehensive Survey of Privacy-preserving Federated Learning: A Taxonomy, Review, and Future Directions	9.1	2.0
2021	Ethics and Governance of Artificial Intelligence: Evidence from a Survey of Machine Learning Researchers	7009	1.0
2021	Challenges and Opportunities of AI-Enabled Monitoring, Diagnosis & Prognosis: A Review	7009	1.0
2022	ISO/IEC/IEEE 15026-2-2022 Systems and software engineering--Systems and software assurance--Part 2: Assurance case	7009	1.0
2022	IEEE Std 7002-2022 IEEE Standard for Data Privacy Process	7009	1.0
2022	Investigation Report on Accident to the B737-Max 8 Reg. ET-AVJ Operated by Ethiopian Airlines	7009	2.1
2022	A comprehensive survey of industry practice in real-time systems	7009	1.0
2022	Taxonomy of Anomaly Detection Techniques in Crowd Scenes.	9.1	2.0
2022	Compliance checking of software processes: A systematic literature review	7009	1.0
2022	Safety culture, safety climate, and safety performance in healthcare facilities: A systematic review.	9.1	2.0
2022	A Survey on Resilience in the IoT: Taxonomy, Classification,and Discussion of Resilience Mechanisms	7009	1.0
2022	Towards Assessing Isolation Properties in Partitioning Hypervisors	7009	1.1
2022	Virtualizing mixed-criticality systems: A survey on industrial trends and issues	7009	1.0
2022	Near miss management systems in the industrial sector: A literature review	9.1	2.0
2022	The landscape of safety management systems research: A scientometric analysis	9.1	2.0
2022	Meta-Learning in Neural Networks: A Survey	9.1	2.0
2022	Monitoring Preventable Adverse Events and Near Misses: Number and Type Identified Differ Depending on Method Used.	9.1	2.0
2022	The concept of plausibility in a risk analysis context: Review and clarifications of defining ideas and interpretations	7009	1.0
2022	The path toward successful safety performance measurement.	9.1	2.0
2022	Incident Reporting Systems: How did we get here and where should we go? A narrative review	9.1	2.0
2022	Challenges Of Testing Highly Automated Vehicles: A Literature Review	7009	1.3
2022	Trustworthy Artificial Intelligence: A Review	7009	1.0
2022	Level-5 Autonomous Driving—Are We There Yet? A Review of Research Literature	7009	1.0
2022	Correct-by-Construction Runtime Enforcement in AI – A Survey	7009	1.2
2022	A Survey on Data-driven Sotware Vulnerability Assessment and Prioritization	7009	1.0
2022	Information needs and challenges in future process safety	7009	1.1
2022	Metrics for Evaluating the Performance of Complex Engineering System Health Monitoring Models	7009	1.0
2022	Electrical-Level Attacks on CPUs, FPGAs, and GPUs: Survey and Implications in the Heterogeneous Era	7009	1.0
2022	What influences algorithmic decision-making? A systematic literature review on algorithm aversion	7009	1.0
2022	Attestation Mechanisms for Trusted Execution Environments Demystified	9.1	2.0
2022	Patient safety classifications, taxonomies and ontologies: A systematic review on development and evaluation methodologies	9.1	2.0
2022	State-of-the-art violence detection techniques in video surveillance security systems: a systematic review.	9.1	2.0
2022	Semantic Knowledge Graphs for the News: A Review	9.1	2.0
2022	Challenges in Deploying Machine Learning: a Survey of Case Studies	7009	1.0
2022	Testing anticipatory systems: A systematic mapping study on the state of the art	7009	1.1
2022	A Review on Fairness in Machine Learning	7009	1.0
2022	Barriers Involved in the Safety Management Systems: A Systematic Review of Literature	9.1	2.0
2022	A Systematic Review on Healthcare Artificial Intelligent Conversational Agents for Chronic Conditions	9.1	2.0
2022	Human and organizational factors in European nuclear safety: A fifty-year perspective on insights, implementations, and ways forward	9.1	2.0
2022	Monitoring machine learning models: a categorization of challenges and methods	7009	1.3
2022	Operationalizing Human Values in Software Engineering: A Survey	7009	1.0
2022	A Survey on Security and Privacy Issues in Modern Healthcare Systems: Attacks and Defenses	9.1	2.0
2022	Anomaly Detection and Failure Root Cause Analysis in (Micro) Service-Based Cloud Applications: A Survey	7009	1.0
2022	How to keep text private? A systematic review of deep learning methods for privacy-preserving natural language processing	9.1	2.0
2022	Patient Safety Strategies in Psychiatry and How They Construct the Notion of Preventable Harm: A Scoping Review	7009	1.0
2022	Learning Monitorable Operational Design Domains for Assured Autonomy	7009	1.3
2022	Anomaly Analysis in Images and Videos: A Comprehensive Review	7009	2.0
2022	Predictive maintenance using digital twins: A systematic literature review	7009	1.0
2022	A Survey on Curriculum Learning	9.1	2.0
2022	Industry 4.0 Solutions Impacts on Critical Infrastructure Safety and Protection—A Systematic Literature Review	7009	1.1
2022	Safety barriers in the chemical process industries: A state-of-the-art review on their classification, assessment, and management	9.1	2.0
2022	Recent Advances in Video Analytics for Rail Network Surveillance for Security, Trespass and Suicide Prevention—A Survey .	9.1	2.0
2023	Knowledge Tracing: A Survey	7009	2.0
2023	A Taxonomy and Analysis of Misbehaviour Detection in Cooperative Intelligent Transport Systems: A Systematic Review	9.1	2.0
2023	AI Chatbots in Digital Mental Health	7009	2.0
2023	Constructs of leading indicators: A synthesis of safety literature	7009	2.0
2023	Identifying a list of healthcare 'never events' to effect system change: a systematic review and narrative synthesis	7009	2.0
2023	Research in marine accidents: A bibliometric analysis, systematic review and future directions	7009	2.0
2023	Implementing Data Exfiltration Defense in Situ: A Survey of Countermeasures and Human Involvement	9.1	2.0
2023	Wild Patterns Reloaded: A Survey of Machine Learning Security against Training Data Poisoning	7009	2.0
2023	Benchmarks for Automated Commonsense Reasoning: A Survey	7009	2.0
2023	Psychosocial factors and safety in high-risk industries: A systematic literature review	9.1	2.0
2023	The SMART Safety: An empirical dataset for evidence synthesis of adverse events	7009	2.0
2023	The Functional Safety Terminology Landscape	7009	2.0
2023	Online patient feedback as a safety valve: An automated language analysis of unnoticed and unresolved safety incidents.	9.1	2.0
2023	A Survey of Adversarial Defenses and Robustness in NLP	7009	2.0
2023	Interorganizational health information exchange-related patient safety incidents: A descriptive register-based qualitative study	9.1	2.0
2023	IEEE Std 2851-2023, IEEE Standard for Functional Safety Data Format for Interoperability within the Dependability Lifecycle	7009	2.1
2023	ISO/IEC/IEEE 15288:2023 System and software engineering – System life cycle process	7009	2.1
2023	Assessing the healthcare quality issues for digital incident reporting in Sweden: Incident reports analysis.	9.1	2.0
2023	Device Fingerprinting for Cyber-Physical Systems: A Survey	7009	2.0
2023	Integrating Safety-I and Safety-II Approaches in Near Miss Management: A Critical Analysis	7009	2.0
2023	Performance Interference of Virtual Machines: A Survey	7009	1.0
2023	A Comprehensive Review of the State-of-the-Art on Security and Privacy Issues in Healthcare	9.1	2.0
2023	Risky Artificial Intelligence: The Role of Incidents in the Path to AI Regulation	7009	2.0
2023	Barriers and facilitators to improving patient safety learning systems: a systematic review of qualitative studies and meta-synthesis	7009	2.0
2023	A pragmatic approach to the limitations of safety management systems in aviation	7009	2.0
2023	A Survey on Event-based News Narrative Extraction	7009	2.0
2023	Data Provenance in Security and Privacy	7009	2.0
2023	Benefits and challenges relating to the implementation of health and safety leading indicators in the construction industry: A systematic review	7009	2.0
2023	Examining the Potential of Generative Language Models for Aviation Safety Analysis: Case Study and Insights Using the Aviation Safety Reporting System (ASRS)	7009	2.0
2023	What Are the Attackers Doing Now? Automating Cyberthreat Intelligence Extraction from Text on Pace with the Changing Threat Landscape: A Survey	9.1	2.0
2023	Software Fault Tolerance in Real-Time Systems: Identifying the Future Research Questions	7009	2.0
2023	A Survey of Threats to Research Literature-dependent Medical AI Solutions	9.1	2.0
2023	Certification Labels for Trustworthy AI: Insights From an Empirical Mixed-Method Study	7009	2.0
2023	A qualitative systematic review on the application of the normalization of deviance phenomenon within high-risk industries.	9.1	2.0
2023	Provenance Data Management in Health Information Systems: A Systematic Literature Review	7009	2.0
2023	Application of Artificial Intelligence in Detection and Mitigation of Human Factor Errors in Nuclear Power Plants: A Review	7009	2.0
2023	Detecting Outliers in Non-IID Data: A Systematic Literature Review	7009	2.0
2023	A Comprehensive Survey of Few-shot Learning: Evolution, Applications, Challenges, and Opportunities	9.1	2.0
2023	Healthcare resilience: a meta-narrative systematic review and synthesis of reviews	7009	2.0
2023	Ten years of online incident reporting and learning using CPiRLS: implications for improved patient safety	7009	2.0
2023	AMon: A domain-specific language and framework for adaptive monitoring of Cyber–Physical Systems	7009	1.3
2023	Strategic Decisions: Survey, Taxonomy, and Future Directions from Artificial Intelligence Perspective	7009	1.0
2023	Machine Unlearning: A Survey	7009	2.0
2023	A Systematic Literature Review of Information Security in Chatbot	9.1	2.0
2023	Comprehensive Review of Safety Studies in Process Industrial Systems: Concepts, Progress, and Main Research Topics	7009	2.0
2023	A Systematic Survey of Just-in-Time Software Defect Prediction	7009	1.0
2023	Rare Category Analysis for Complex Data: A Review.	9.1	2.0
2024	IEEE Std 7009-2024, IEEE Standard for Fail-Safe Design of Autonomous and Semi-Autonomous Systems	7009	2.1
2024	Future of process safety: Insights, approaches, and potential developments	7009	2.0
2024	Relational Event Modeling	9.1	2.1
2024	Artificial Intelligence for Safety-Critical Systems in Industrial and Transportation Domains: A Survey	7009	2.1
2024	Malware Detection with Artificial Intelligence: A Systematic Literature Review	7009	2.0
2024	Factors affecting learning from incidents: A cross-industry review	7009	2.0
2024	The Application of Artificial Intelligence in Functional Safety	7009	2.0
2024	Protecting Privacy in Digital Records: The Potential of Privacy-Enhancing Technologies	7009	2.0
2024	Interplay of human factors and safety culture in nuclear safety for enhanced organisational and individual Performance: A comprehensive review	7009	2.0
2024	Completeness, Recall, and Negation in Open-world Knowledge Bases: A Survey	7009	2.0
2024	Effective information collection in incident investigations: A systematic review and narrative synthesis.	9.1	2.0
2024	Patient safety near misses – Still missing opportunities to learn	7009	2.0
2024	Reaching Consensus in the Byzantine Empire: A Comprehensive Review of BFT Consensus Algorithms	7009	2.0