# Gregory Levitin

## List of Publications by Citations

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| **165** papers | **3,110** citations |
| **31** h-index | **44** g-index |
| **166** ext. papers | **3,722** ext. citations |
| **5.2** avg, IF | **6.37** L-index |

| # | Paper | IF | Citations |
|---|-------|-----|-----------|
| 165 | Structure optimization of power system with different redundant elements. *Electric Power Systems Research*, **1997**, 43, 19-27 | 3.5 | 104 |
| 164 | Reliability and performance of multi-state systems with propagated failures having selective effect. *Reliability Engineering and System Safety*, **2010**, 95, 655-661 | 6.3 | 93 |
| 163 | Genetic algorithms in reliability engineering. *Reliability Engineering and System Safety*, **2006**, 91, 975-976 | 6.3 | 91 |
| 162 | BDD-based reliability evaluation of phased-mission systems with internal/external common-cause failures. *Reliability Engineering and System Safety*, **2013**, 112, 145-153 | 6.3 | 86 |
| 161 | Optimal sequencing of warm standby elements. *Computers and Industrial Engineering*, **2013**, 65, 570-576 | 6.4 | 67 |
| 160 | . *IEEE Transactions on Reliability*, **2007**, 56, 148-157 | 4.6 | 62 |
| 159 | Cold vs. hot standby mission operation cost minimization for 1-out-of-N systems. *European Journal of Operational Research*, **2014**, 234, 155-162 | 5.6 | 58 |
| 158 | Optimal mission abort policy for systems in a random environment with variable shock rate. *Reliability Engineering and System Safety*, **2018**, 169, 11-17 | 6.3 | 54 |
| 157 | Mission Abort Policy in Heterogeneous Nonrepairable 1-Out-of-N Warm Standby Systems. *IEEE Transactions on Reliability*, **2018**, 67, 342-354 | 4.6 | 53 |
| 156 | Reliability of multi-state systems with common bus performance sharing. *IIE Transactions*, **2011**, 43, 518-524 | | 53 |
| 155 | Combinatorial analysis of systems with competing failures subject to failure isolation and propagation effects. *Reliability Engineering and System Safety*, **2010**, 95, 1210-1215 | 6.3 | 52 |
| 154 | Optimal Mission Abort Policy for Systems Operating in a Random Environment. *Risk Analysis*, **2018**, 38, 795-803 | 3.9 | 48 |
| 153 | Element maintenance and allocation for linear consecutively connected systems. *IIE Transactions*, **2012**, 44, 964-973 | | 48 |
| 152 | Reliability of non-repairable phased-mission systems with propagated failures. *Reliability Engineering and System Safety*, **2013**, 119, 218-228 | 6.3 | 46 |
| 151 | Probabilistic common cause failures in phased-mission systems. *Reliability Engineering and System Safety*, **2015**, 144, 53-60 | 6.3 | 45 |
| 150 | Mission Cost and Reliability of 1-out-of- $N$ Warm Standby Systems With Imperfect Switching Mechanisms. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2014**, 44, 1262-1271 | 7.3 | 45 |
| 149 | Influence of failure propagation on mission abort policy in heterogeneous warm standby systems. *Reliability Engineering and System Safety*, **2019**, 183, 29-38 | 6.3 | 45 |

| 148 | . *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2013**, 43, 967-978 | 7.3 | 43 |
| --- | --- | --- | --- |
| 147 | Performance and Reliability of Tree-Structured Grid Services Considering Data Dependence and Failure Correlation. *IEEE Transactions on Computers*, **2007**, 56, 925-936 | 2.5 | 42 |
| 146 | Reliability analysis of multi-trigger binary systems subject to competing failures. *Reliability Engineering and System Safety*, **2013**, 111, 9-17 | 6.3 | 40 |
| 145 | . *IEEE Transactions on Computers*, **2015**, 64, 1043-1057 | 2.5 | 39 |
| 144 | Competing failure analysis in phased-mission systems with functional dependence in one of phases. *Reliability Engineering and System Safety*, **2012**, 108, 90-99 | 6.3 | 39 |
| 143 | Optimal allocation of multi-state elements in linear consecutively connected systems with vulnerable nodes. *European Journal of Operational Research*, **2003**, 150, 406-419 | 5.6 | 39 |
| 142 | Combinatorial Algorithm for Reliability Analysis of Multistate Systems With Propagated Failures and Failure Isolation Effect. *IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans*, **2011**, 41, 1156-1165 | | 38 |
| 141 | Optimal load distribution in series-parallel systems. *Reliability Engineering and System Safety*, **2009**, 94, 254-260 | 6.3 | 37 |
| 140 | Optimal Structure of Multi-State Systems With Uncovered Failures. *IEEE Transactions on Reliability*, **2008**, 57, 140-148 | 4.6 | 36 |
| 139 | Sequencing Optimization in k-out-of-n Cold-Standby Systems Considering Mission Cost. *International Journal of General Systems*, **2013**, 42, 870-882 | 2.1 | 34 |
| 138 | Efficiency of even separation of parallel elements with variable contest intensity. *Risk Analysis*, **2008**, 28, 1477-86 | 3.9 | 33 |
| 137 | Optimal data partitioning in cloud computing system with random server assignment. *Future Generation Computer Systems*, **2017**, 70, 17-25 | 7.5 | 32 |
| 136 | Co-optimization of state dependent loading and mission abort policy in heterogeneous warm standby systems. *Reliability Engineering and System Safety*, **2018**, 172, 151-158 | 6.3 | 32 |
| 135 | Co-residence based data vulnerability vs. security in cloud computing system with random server assignment. *European Journal of Operational Research*, **2018**, 267, 676-686 | 5.6 | 31 |
| 134 | Optimal resource distribution between protection and redundancy considering the time and uncertainties of attacks. *European Journal of Operational Research*, **2015**, 243, 200-210 | 5.6 | 30 |
| 133 | Optimization of Full versus Incremental Periodic Backup Policy. *IEEE Transactions on Dependable and Secure Computing*, **2016**, 13, 644-656 | 3.9 | 28 |
| 132 | Redundancy optimization for series-parallel phased mission systems exposed to random shocks. *Reliability Engineering and System Safety*, **2017**, 167, 554-560 | 6.3 | 28 |
| 131 | Multi-state systems with selective propagated failures and imperfect individual and group protections. *Reliability Engineering and System Safety*, **2011**, 96, 1657-1666 | 6.3 | 28 |

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| 130 | . *IEEE Transactions on Reliability*, **2007**, 56, 444-453 | 4.6 | 28 |
| 129 | Optimal mission abort policy for partially repairable heterogeneous systems. *European Journal of Operational Research*, **2018**, 271, 818-825 | 5.6 | 28 |
| 128 | . *IEEE Transactions on Reliability*, **2017**, 66, 980-988 | 4.6 | 27 |
| 127 | Balancing theft and corruption threats by data partition in cloud system with independent server protection. *Reliability Engineering and System Safety*, **2017**, 167, 248-254 | 6.3 | 26 |
| 126 | Combinatorial analysis of body sensor networks subject to probabilistic competing failures. *Reliability Engineering and System Safety*, **2015**, 142, 388-398 | 6.3 | 25 |
| 125 | . *IEEE Transactions on Reliability*, **2016**, 65, 394-409 | 4.6 | 25 |
| 124 | Data survivability vs. security in information systems. *Reliability Engineering and System Safety*, **2012**, 100, 19-27 | 6.3 | 25 |
| 123 | Optimal aborting rule in multi-attempt missions performed by multicomponent systems. *European Journal of Operational Research*, **2020**, 283, 244-252 | 5.6 | 24 |
| 122 | Linear multistate consecutively-connected systems subject to a constrained number of gaps. *Reliability Engineering and System Safety*, **2015**, 133, 246-252 | 6.3 | 23 |
| 121 | Mission abort policy optimization for series systems with overlapping primary and rescue subsystems operating in a random environment. *Reliability Engineering and System Safety*, **2020**, 193, 106590 | 6.3 | 23 |
| 120 | **2019**, | | 23 |
| 119 | Optimal Abort Rules for Multiattempt Missions. *Risk Analysis*, **2019**, 39, 2732-2743 | 3.9 | 22 |
| 118 | Optimal component loading in 1-out-of-N cold standby systems. *Reliability Engineering and System Safety*, **2014**, 127, 58-64 | 6.3 | 22 |
| 117 | Optimal connecting elements allocation in linear consecutively-connected systems with phased mission and common cause failures. *Reliability Engineering and System Safety*, **2014**, 130, 85-94 | 6.3 | 21 |
| 116 | Algorithm for Reliability Evaluation of Nonrepairable Phased-Mission Systems Consisting of Gradually Deteriorating Multistate Elements. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2013**, 43, 63-73 | 7.3 | 21 |
| 115 | . *IEEE Transactions on Reliability*, **2015**, 64, 410-419 | 4.6 | 20 |
| 114 | . *IEEE Transactions on Reliability*, **2015**, 64, 819-828 | 4.6 | 20 |
| 113 | Optimal mission abort policies for multistate systems. *Reliability Engineering and System Safety*, **2020**, 193, 106671 | 6.3 | 20 |

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| 112 | k-out-of-n sliding window systems. *IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans*, **2012**, 42, 707-714 | | 19 |
| 111 | State-based mission abort policies for multistate systems. *Reliability Engineering and System Safety*, **2020**, 204, 107122 | 6.3 | 19 |
| 110 | Heterogeneous standby systems with shocks-driven preventive replacements. *European Journal of Operational Research*, **2018**, 266, 1189-1197 | 5.6 | 19 |
| 109 | Probabilistic competing failure analysis in phased-mission systems. *Reliability Engineering and System Safety*, **2018**, 176, 37-51 | 6.3 | 18 |
| 108 | Optimization of predetermined standby mode transfers in 1-out-of-N: G systems. *Computers and Industrial Engineering*, **2014**, 72, 106-113 | 6.4 | 18 |
| 107 | Is it wise to leave some false targets unprotected?. *Reliability Engineering and System Safety*, **2013**, 112, 176-186 | 6.3 | 18 |
| 106 | Optimal Backup Distribution in 1-out-of- ${N}$ Cold Standby Systems. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2015**, 45, 636-646 | 7.3 | 18 |
| 105 | Preventive Replacements in Real-Time Standby Systems With Periodic Backups. *IEEE Transactions on Reliability*, **2017**, 66, 771-782 | 4.6 | 17 |
| 104 | . *IEEE Transactions on Reliability*, **2016**, 65, 381-393 | 4.6 | 17 |
| 103 | . *IEEE Transactions on Reliability*, **2015**, 64, 444-453 | 4.6 | 17 |
| 102 | Structure Optimization of Nonrepairable Phased Mission Systems. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2014**, 44, 121-129 | 7.3 | 17 |
| 101 | Resource distribution in multiple attacks with imperfect detection of the attack outcome. *Risk Analysis*, **2012**, 32, 304-18 | 3.9 | 17 |
| 100 | Optimizing dynamic survivability and security of replicated data in cloud systems under co-residence attacks. *Reliability Engineering and System Safety*, **2019**, 192, 106265 | 6.3 | 17 |
| 99 | Dynamic demand satisfaction probability of consecutive sliding window systems with warm standby components. *Reliability Engineering and System Safety*, **2019**, 189, 397-405 | 6.3 | 16 |
| 98 | . *IEEE Transactions on Reliability*, **2015**, 64, 454-462 | 4.6 | 16 |
| 97 | Connectivity modeling and optimization of linear consecutively connected systems with repairable connecting elements. *European Journal of Operational Research*, **2018**, 264, 732-741 | 5.6 | 16 |
| 96 | Optimal replacement and allocation of multi-state elements in k-within-m-from-r/n sliding window systems. *Applied Stochastic Models in Business and Industry*, **2016**, 32, 184-198 | 1.1 | 16 |
| 95 | . *IEEE Transactions on Reliability*, **2013**, 62, 618-627 | 4.6 | 16 |

| 94 | Cost effective scheduling of imperfect inspections in systems with hidden failures and rescue possibility. *Applied Mathematical Modelling*, **2019**, 68, 662-674 | 4.5 | 16 |
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| 93 | Optimal loading of series parallel systems with arbitrary element time-to-failure and time-to-repair distributions. *Reliability Engineering and System Safety*, **2017**, 164, 34-44 | 6.3 | 15 |
| 92 | Optimal Design of Hybrid Redundant Systems With Delayed Failure-Driven Standby Mode Transfer. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2015**, 45, 1336-1344 | 7.3 | 15 |
| 91 | Mission abort policy balancing the uncompleted mission penalty and system loss risk. *Reliability Engineering and System Safety*, **2018**, 176, 194-201 | 6.3 | 15 |
| 90 | . *IEEE Transactions on Reliability*, **2015**, 64, 1325-1339 | 4.6 | 15 |
| 89 | Mission Abort Policy for Systems with Observable States of Standby Components. *Risk Analysis*, **2020**, 40, 1900-1912 | 3.9 | 15 |
| 88 | Heterogeneous 1-out-of-N warm standby systems with online checkpointing. *Reliability Engineering and System Safety*, **2018**, 169, 127-136 | 6.3 | 15 |
| 87 | . *IEEE Transactions on Computers*, **2017**, 66, 1449-1456 | 2.5 | 14 |
| 86 | Series phased-mission systems with heterogeneous warm standby components. *Computers and Industrial Engineering*, **2020**, 145, 106552 | 6.4 | 14 |
| 85 | Reliability evaluation for linear consecutively-connected systems with multistate elements and retransmission delays. *Quality and Reliability Engineering International*, **2001**, 17, 373-378 | 2.6 | 14 |
| 84 | Joint optimal checkpointing and rejuvenation policy for real-time computing tasks. *Reliability Engineering and System Safety*, **2019**, 182, 63-72 | 6.3 | 14 |
| 83 | Security of Separated Data in Cloud Systems with Competing Attack Detection and Data Theft Processes. *Risk Analysis*, **2019**, 39, 846-858 | 3.9 | 14 |
| 82 | Optimizing preventive replacement schedule in standby systems with time consuming task transfers. *Reliability Engineering and System Safety*, **2021**, 205, 107227 | 6.3 | 14 |
| 81 | Defending N-version Programming Service Components against Co-resident Attacks in IoT Cloud Systems. *IEEE Transactions on Services Computing*, **2019**, 1-1 | 4.8 | 13 |
| 80 | Dynamic availability and performance deficiency of common bus systems with imperfectly repairable components. *Reliability Engineering and System Safety*, **2019**, 189, 58-66 | 6.3 | 13 |
| 79 | Optimal mission abort policy with multiple shock number thresholds. *Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability*, **2018**, 232, 607-615 | 0.8 | 13 |
| 78 | Optimal Allocation of Multistate Components in Consecutive Sliding Window Systems. *IEEE Transactions on Reliability*, **2013**, 62, 267-275 | 4.6 | 13 |
| 77 | Optimal Periodic Inspections and Activation Sequencing Policy in Standby Systems With Condition-Based Mode Transfer. *IEEE Transactions on Reliability*, **2017**, 66, 189-201 | 4.6 | 12 |

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| 76 | Optimal abort rules and subtask distribution in missions performed by multiple independent heterogeneous units. *Reliability Engineering and System Safety*, **2020**, 199, 106920 | 6.3 | 12 |
| 75 | . *IEEE Transactions on Reliability*, **2012**, 61, 208-214 | 4.6 | 12 |
| 74 | Optimal replacement and reactivation in warm standby systems performing random duration missions. *Computers and Industrial Engineering*, **2020**, 149, 106791 | 6.4 | 12 |
| 73 | Optimization of time constrained N-version programming service components with competing task execution and version corruption processes. *Reliability Engineering and System Safety*, **2020**, 193, 106666 | 6.3 | 12 |
| 72 | Optimal structure of series system with 1-out-of-n warm standby subsystems performing operation and rescue functions. *Reliability Engineering and System Safety*, **2019**, 188, 523-531 | 6.3 | 11 |
| 71 | . *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2018**, 48, 1505-1520 | 7.3 | 11 |
| 70 | Optimizing Dynamic Performance of Multistate Systems With Heterogeneous 1-Out-of- ${N}$ Warm Standby Components. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2018**, 48, 920-929 | 7.3 | 11 |
| 69 | Defense resource distribution between protection and redundancy for constant resource stockpiling pace. *Risk Analysis*, **2011**, 31, 1632-45 | 3.9 | 11 |
| 68 | Optimal preventive replacement policy for homogeneous cold standby systems with reusable elements. *Reliability Engineering and System Safety*, **2020**, 204, 107135 | 6.3 | 11 |
| 67 | Reliability Versus Expected Mission Cost and Uncompleted Work in Heterogeneous Warm Standby Multiphase Systems. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2017**, 47, 462-473 | 7.3 | 10 |
| 66 | Optimal arrangement of connecting elements in linear consecutively connected systems with heterogeneous warm standby groups. *Reliability Engineering and System Safety*, **2017**, 165, 395-401 | 6.3 | 10 |
| 65 | Optimal loading of system with random repair time. *European Journal of Operational Research*, **2015**, 247, 137-143 | 5.6 | 10 |
| 64 | Propagated failure analysis for non-repairable systems considering both global and selective effects. *Reliability Engineering and System Safety*, **2012**, 99, 96-104 | 6.3 | 10 |
| 63 | Shield versus sword resource distribution in K-round duels. *Central European Journal of Operations Research*, **2011**, 19, 589-603 | 2.2 | 10 |
| 62 | Optimal mission aborting in multistate systems with storage. *Reliability Engineering and System Safety*, **2022**, 218, 108086 | 6.3 | 10 |
| 61 | Optimal operation and maintenance scheduling in m-out-of-n standby systems with reusable elements. *Reliability Engineering and System Safety*, **2021**, 211, 107582 | 6.3 | 10 |
| 60 | Optimal completed work dependent loading of components in cold standby systems. *International Journal of General Systems*, **2015**, 44, 471-484 | 2.1 | 9 |
| 59 | m/nCCS: linear consecutively connected systems subject to combined gap constraints. *International Journal of General Systems*, **2015**, 44, 833-848 | 2.1 | 9 |

| 58 | Mission abort and rescue for multistate systems operating under the Poisson process of shocks. *Reliability Engineering and System Safety*, **2020**, 202, 107027 | 6.3 | 9 |
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| 57 | Optimization of cyclic preventive replacement in homogeneous warm-standby system with reusable elements exposed to shocks. *Reliability Engineering and System Safety*, **2021**, 207, 107351 | 6.3 | 9 |
| 56 | Optimal backup in heterogeneous standby systems exposed to shocks. *Reliability Engineering and System Safety*, **2017**, 165, 336-344 | 6.3 | 8 |
| 55 | Scheduling of imperfect inspections for reliability critical systems with shock-driven defects and delayed failures. *Reliability Engineering and System Safety*, **2019**, 189, 89-98 | 6.3 | 8 |
| 54 | Optimal multi-attempt missions with cumulative effect. *Reliability Engineering and System Safety*, **2020**, 203, 107091 | 6.3 | 8 |
| 53 | . *IEEE Transactions on Reliability*, **2016**, 65, 1798-1809 | 4.6 | 8 |
| 52 | Optimal elements separation in non-repairable phased-mission systems. *International Journal of General Systems*, **2014**, 43, 864-879 | 2.1 | 8 |
| 51 | Optimal non-periodic replacement and reactivation in standby systems with protection and maintenance options. *Computers and Industrial Engineering*, **2021**, 155, 107178 | 6.4 | 8 |
| 50 | Optimal mission abort policies for repairable multistate systems performing multi-attempt mission. *Reliability Engineering and System Safety*, **2021**, 209, 107497 | 6.3 | 8 |
| 49 | Effect of element separation in series-parallel systems exposed to random shocks. *European Journal of Operational Research*, **2017**, 260, 305-315 | 5.6 | 7 |
| 48 | Optimal backup frequency in system with random repair time. *Reliability Engineering and System Safety*, **2015**, 144, 12-22 | 6.3 | 7 |
| 47 | Optimal early warning defense of N-version programming service against co-resident attacks in cloud system. *Reliability Engineering and System Safety*, **2020**, 201, 106969 | 6.3 | 7 |
| 46 | Optimizing software rejuvenation policy for real time tasks. *Reliability Engineering and System Safety*, **2018**, 176, 202-208 | 6.3 | 7 |
| 45 | Competing failure analysis in non-repairable binary systems subject to functional dependence. *Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability*, **2012**, 226, 406-416 | 0.8 | 7 |
| 44 | Optimal shock-driven switching strategies with elements reuse in heterogeneous warm-standby systems. *Reliability Engineering and System Safety*, **2021**, 210, 107517 | 6.3 | 7 |
| 43 | Optimal task partition and state-dependent loading in heterogeneous two-element work sharing system. *Reliability Engineering and System Safety*, **2016**, 156, 97-108 | 6.3 | 7 |
| 42 | Optimal abort rules for additive multi-attempt missions. *Reliability Engineering and System Safety*, **2021**, 205, 107245 | 6.3 | 7 |
| 41 | Influence of storage on mission success probability of m-out-of-n standby systems with reusable elements. *Reliability Engineering and System Safety*, **2021**, 216, 107976 | 6.3 | 7 |

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| 40 | Joint optimal mission aborting and replacement and maintenance scheduling in dual-unit standby systems. *Reliability Engineering and System Safety*, **2021**, 216, 107921 | 6.3 | 7 |
| 39 | Optimization of partial software rejuvenation policy. *Reliability Engineering and System Safety*, **2019**, 188, 289-296 | 6.3 | 6 |
| 38 | Optimal loading of elements in series systems exposed to external shocks. *Reliability Engineering and System Safety*, **2019**, 192, 105924 | 6.3 | 6 |
| 37 | Balancing mission success probability and risk of system loss by allocating redundancy in systems operating with a rescue option. *Reliability Engineering and System Safety*, **2020**, 195, 106694 | 6.3 | 6 |
| 36 | Cost minimization of real-time mission for software systems with rejuvenation. *Reliability Engineering and System Safety*, **2020**, 193, 106593 | 6.3 | 6 |
| 35 | Partial mission aborting in work sharing systems. *Reliability Engineering and System Safety*, **2021**, 214, 107716 | 6.3 | 6 |
| 34 | Mission aborting and system rescue for multi-state systems with arbitrary structure. *Reliability Engineering and System Safety*, **2021**, 108225 | 6.3 | 5 |
| 33 | Optimal inspections and mission abort policies for multistate systems. *Reliability Engineering and System Safety*, **2021**, 214, 107700 | 6.3 | 5 |
| 32 | Mission Aborting in n-Unit Systems With Work Sharing. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2021**, 1-12 | 7.3 | 5 |
| 31 | Co-Residence Data Theft Attacks on N-Version Programming-Based Cloud Services With Task Cancelation. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2020**, 1-10 | 7.3 | 4 |
| 30 | Optimal loading of repairable system with perfect product storage. *Reliability Engineering and System Safety*, **2022**, 220, 108293 | 6.3 | 4 |
| 29 | Analysis and optimal design of systems operating in a random environment and having a rescue option. *International Journal of General Systems*, **2019**, 48, 170-185 | 2.1 | 4 |
| 28 | . *IEEE Transactions on Dependable and Secure Computing*, **2019**, 16, 301-312 | 3.9 | 4 |
| 27 | Optimal multiple replacement and maintenance scheduling in two-unit systems. *Reliability Engineering and System Safety*, **2021**, 213, 107803 | 6.3 | 4 |
| 26 | Optimal Distribution of Nonperiodic Full and Incremental Backups. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2017**, 47, 3310-3320 | 7.3 | 3 |
| 25 | Optimal sequencing of elements activation in 1-out-of-n warm standby system with storage. *Reliability Engineering and System Safety*, **2022**, 221, 108380 | 6.3 | 3 |
| 24 | Optimizing software rejuvenation policy for tasks with periodic inspections and time limitation. *Reliability Engineering and System Safety*, **2020**, 197, 106776 | 6.3 | 3 |
| 23 | Optimal aborting strategy for three-phase missions performed by multiple units. *Reliability Engineering and System Safety*, **2021**, 208, 107408 | 6.3 | 3 |

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| 22 | On operation termination for degrading systems with two types of failures. *Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability*, **2019**, 233, 419-426 | 0.8 | 3 |
| 21 | Connectivity evaluation and optimal service centers allocation in repairable linear consecutively connected systems. *Reliability Engineering and System Safety*, **2018**, 176, 187-193 | 6.3 | 3 |
| 20 | Mixed failure-driven and shock-driven mission aborts in heterogeneous systems with arbitrary structure. *Reliability Engineering and System Safety*, **2021**, 212, 107581 | 6.3 | 3 |
| 19 | Minimization of Expected User Losses Considering Co-resident Attacks in Cloud System with Task Replication and Cancellation. *Reliability Engineering and System Safety*, **2021**, 214, 107705 | 6.3 | 3 |
| 18 | Optimization of dynamic spot-checking for collusion tolerance in grid computing. *Future Generation Computer Systems*, **2018**, 86, 30-38 | 7.5 | 2 |
| 17 | Optimal Replacement and Protection Strategy for Parallel Systems. *Springer Series in Reliability Engineering*, **2012**, 135-144 | 0.2 | 2 |
| 16 | Optimal Preventive Replacement for Cold Standby Systems With Elements Exposed to Shocks During Operation and Task Transfers. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2020**, 1-8 | 7.3 | 2 |
| 15 | Reliability vs. Vulnerability of N-version Programming Cloud Service Component with Dynamic Decision Time under Co-resident Attacks. *IEEE Transactions on Services Computing*, **2020**, 1-1 | 4.8 | 2 |
| 14 | Dynamic task distribution balancing primary mission work and damage reduction work in parallel systems exposed to shocks. *Reliability Engineering and System Safety*, **2021**, 215, 107907 | 6.3 | 2 |
| 13 | Probabilities of mission success and system survival in multi-state systems with arbitrary structure. *Computers and Industrial Engineering*, **2021**, 161, 107597 | 6.4 | 2 |
| 12 | Security and reliability of N-version cloud-based task solvers with individual version cancellation under data theft attacks. *Reliability Engineering and System Safety*, **2021**, 216, 107920 | 6.3 | 2 |
| 11 | Unrepairable system with single production unit and n failure-prone identical parallel storage units. *Reliability Engineering and System Safety*, **2022**, 222, 108437 | 6.3 | 2 |
| 10 | Co-residence based data theft game in cloud system with virtual machine replication and cancellation. *Reliability Engineering and System Safety*, **2022**, 222, 108415 | 6.3 | 1 |
| 9 | Heterogeneous 1-out-of-n standby systems with limited unit operation time. *Reliability Engineering and System Safety*, **2022**, 108532 | 6.3 | 1 |
| 8 | Unrepairable system with consecutively used imperfect storage units. *Reliability Engineering and System Safety*, **2022**, 225, 108574 | 6.3 | 1 |
| 7 | Data Resilience Under Co-residence Attacks in Cloud Environment **2021**, 739-761 | | 0 |
| 6 | Minimum cost replacement and maintenance scheduling in dual-dissimilar-unit standby systems. *Reliability Engineering and System Safety*, **2022**, 218, 108127 | 6.3 | 0 |
| 5 | Optimizing the maximum filling level of perfect storage in system with imperfect production unit. *Reliability Engineering and System Safety*, **2022**, 108629 | 6.3 | 0 |

# List of Publications

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| 4 | 1-out-of-N multi-state standby systems with state-dependent random replacement times. *Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability*, **2017**, 231, 750-760 | 0.8 |
| 3 | Dynamic Standby Sparing **2019**, 201-227 | 11 |
| 2 | Probabilistic Competing Failure **2019**, 169-199 | |
| 1 | Making Mission Abort Decisions for Systems Operating in Random Environment. *Profiles in Operations Research*, **2022**, 283-304 | 1 |