# Eitan Altman

List of Publications by Year
in descending order

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|---|---|---|---|
| 141 papers | 3,688 citations | 136950<br>32 h-index | 161849<br>54 g-index |
| 144 all docs | 144 docs citations | 144 times ranked | 2500 citing authors |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 1 | The Mask Game with Multiple Populations. Dynamic Games and Applications, 2022, 12, 147-167. | 1.9 | 3 |
| 2 | A two phase investment game for competitive opinion dynamics in social networks. Information Processing and Management, 2020, 57, 102064. | 8.6 | 12 |
| 3 | On the True Number of COVID-19 Infections: Effect of Sensitivity, Specificity and Number of Tests on Prevalence Ratio Estimation. International Journal of Environmental Research and Public Health, 2020, 17, 5328. | 2.6 | 5 |
| 4 | Beyond Herd Immunity Against Strategic Attackers. IEEE Access, 2020, 8, 66365-66399. | 4.2 | 2 |
| 5 | Routing into parallel collision channels. Performance Evaluation Review, 2020, 48, 15-17. | 0.6 | 0 |
| 6 | Optimal Investment Strategies for Competing Camps in a Social Network: A Broad Framework. IEEE Transactions on Network Science and Engineering, 2019, 6, 628-645. | 6.4 | 12 |
| 7 | Location Aware Opportunistic Bandwidth Sharing between Static and Mobile Users with Stochastic Learning in Cellular Networks. IEEE Transactions on Mobile Computing, 2019, 18, 1802-1815. | 5.8 | 4 |
| 8 | On The Robustness of Price-Anticipating Kelly Mechanism. IEEE/ACM Transactions on Networking, 2019, 27, 1558-1571. | 3.8 | 2 |
| 9 | Enforcing Bitrate-Stability for Adaptive Streaming Traffic in Cellular Networks. IEEE Transactions on Network and Service Management, 2019, 16, 1812-1825. | 4.9 | 8 |
| 10 | Two-Tier Cellular Networks for Throughput Maximization of Static and Mobile Users. IEEE Transactions on Wireless Communications, 2019, 18, 997-1010. | 9.2 | 9 |
| 11 | Fairness in online social network timelines: Measurements, models and mechanism design. Performance Evaluation, 2019, 129, 15-39. | 1.2 | 11 |
| 12 | State-Policy Dynamics in Evolutionary Games. Dynamic Games and Applications, 2018, 8, 93-116. | 1.9 | 17 |
| 13 | Designing Virus-Resistant, High-Performance Networks: A Game-Formation Approach. IEEE Transactions on Control of Network Systems, 2018, 5, 1682-1692. | 3.7 | 12 |
| 14 | On Nonzero-Sum Game Considered on Solutions of a Hybrid System with Frequent Random Jumps. Dynamic Games and Applications, 2017, 7, 386-401. | 1.9 | 1 |
| 15 | Competitive Selection of Ephemeral Relays in Wireless Networks. IEEE Journal on Selected Areas in Communications, 2017, 35, 586-600. | 14.0 | 1 |
| 16 | A Controlled Matching Game for WLANs. IEEE Journal on Selected Areas in Communications, 2017, 35, 707-720. | 14.0 | 14 |
| 17 | User Association and Resource Allocation Optimization in LTE Cellular Networks. IEEE Transactions on Network and Service Management, 2017, 14, 429-440. | 4.9 | 34 |
| 18 | Caching games between Content Providers and Internet Service Providers. Performance Evaluation, 2017, 113, 13-25. | 1.2 | 22 |

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| 19 | Timelines are Publisher-Driven Caches. Performance Evaluation Review, 2017, 44, 26-29. | 0.6 | 8 |
| 20 | Generalising diagonal strict concavity property for uniqueness of Nash equilibrium. Indian Journal of Pure and Applied Mathematics, 2016, 47, 213-228. | 0.5 | 9 |
| 21 | Mean-Field Game Approach to Admission Control of an M/M/ $$\infty$$ âˇž Queue with Shared Service Cost. Dynamic Games and Applications, 2016, 6, 538-566. | 1.9 | 6 |
| 22 | The Ordered Timeline Game: Strategic Posting Times Over a Temporally Ordered Shared Medium. Dynamic Games and Applications, 2016, 6, 429-455. | 1.9 | 3 |
| 23 | On the Efficiency of Sampling and Countermeasures to Critical-Infrastructure-Targeted Malware Campaigns. Performance Evaluation Review, 2016, 43, 33-42. | 0.6 | 9 |
| 24 | An Author-Topic based Approach to Cluster Tweets and Mine their Location. Procedia Environmental Sciences, 2015, 27, 26-29. | 1.4 | 4 |
| 25 | Stochastic Geometric Models for Green Networking. IEEE Access, 2015, 3, 2465-2474. | 4.2 | 51 |
| 26 | Stationary Anonymous Sequential Games with Undiscounted Rewards. Journal of Optimization Theory and Applications, 2015, 166, 686-710. | 1.5 | 12 |
| 27 | Decentralized Protection Strategies Against SIS Epidemics in Networks. IEEE Transactions on Control of Network Systems, 2015, 2, 406-419. | 3.7 | 49 |
| 28 | Normalized Nash Equilibrium for Power Allocation in Cognitive Radio Networks. IEEE Transactions on Cognitive Communications and Networking, 2015, 1, 86-99. | 7.9 | 5 |
| 29 | Self-Optimizing Load Balancing With Backhaul-Constrained Radio Access Networks. IEEE Wireless Communications Letters, 2015, 4, 645-648. | 5.0 | 15 |
| 30 | Core Stable Algorithms for Coalition Games with Complementarities and Peer Effects. Performance Evaluation Review, 2015, 43, 72-75. | 0.6 | 1 |
| 31 | Distributed Coordination of Self-Organizing Mechanisms in Communication Networks. IEEE Transactions on Control of Network Systems, 2014, 1, 328-337. | 3.7 | 17 |
| 32 | Analysis of Buffer Starvation With Application to Objective QoE Optimization of Streaming Services. IEEE Transactions on Multimedia, 2014, 16, 813-827. | 7.2 | 42 |
| 33 | Reliable Transport in Delay-Tolerant Networks With Opportunistic Routing. IEEE Transactions on Wireless Communications, 2014, 13, 5546-5557. | 9.2 | 15 |
| 34 | A Stochastic Game Approach for Competition over Popularity in Social Networks. Dynamic Games and Applications, 2013, 3, 313-323. | 1.9 | 15 |
| 35 | Preface: DGAA Special Issue on Dynamic Games for Networks. Dynamic Games and Applications, 2013, 3, 1-2. | 1.9 | 1 |
| 36 | Hawks and Doves in a Dynamic Framework. Dynamic Games and Applications, 2013, 3, 24-37. | 1.9 | 1 |

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| 37 | Optimum and Equilibrium in Assignment Problems With Congestion: Mobile Terminals Association to Base Stations. IEEE Transactions on Automatic Control, 2013, 58, 2018-2031. | 5.7 | 22 |
| 38 | Optimal Forwarding in Delay-Tolerant Networks With Multiple Destinations. IEEE/ACM Transactions on Networking, 2013, 21, 1812-1826. | 3.8 | 20 |
| 39 | Improving the transport performance in delay tolerant networks by random linear network coding and global acknowledgments. Ad Hoc Networks, 2013, 11, 2567-2587. | 5.5 | 9 |
| 40 | Paradoxes in Semi-Dynamic Evolutionary Power Control Game: When Intuition Fools You!. IEEE Transactions on Wireless Communications, 2013, 12, 5728-5739. | 9.2 | 1 |
| 41 | Dynamic Control of Coding for Progressive Packet Arrivals in DTNs. IEEE Transactions on Wireless Communications, 2013, 12, 725-735. | 9.2 | 15 |
| 42 | Joint Operator Pricing and Network Selection Game in Cognitive Radio Networks: Equilibrium, System Dynamics and Price of Anarchy. IEEE Transactions on Vehicular Technology, 2013, 62, 4576-4589. | 6.3 | 104 |
| 43 | Guest editorial: The economics of communication networks and systems. IEEE Journal on Selected Areas in Communications, 2012, 30, 2089-2092. | 14.0 | 1 |
| 44 | Continuous polling models and application to ferry assisted WLAN. Annals of Operations Research, 2012, 198, 185-218. | 4.1 | 8 |
| 45 | Gated polling with stationary ergodic walking times, Markovian routing and random feedback. Annals of Operations Research, 2012, 198, 145-164. | 4.1 | 8 |
| 46 | Self-Organizing Relays: Dimensioning, Self-Optimization, and Learning. IEEE Transactions on Network and Service Management, 2012, 9, 487-500. | 4.9 | 19 |
| 47 | Spatial SINR Games of Base Station Placement and Mobile Association. IEEE/ACM Transactions on Networking, 2012, 20, 1856-1869. | 3.8 | 20 |
| 48 | Maximum Damage Malware Attack in Mobile Wireless Networks. IEEE/ACM Transactions on Networking, 2012, 20, 1347-1360. | 3.8 | 67 |
| 49 | Stochastic Geometry Based Medium Access Games in Wireless Ad Hoc Networks. IEEE Journal on Selected Areas in Communications, 2012, 30, 2146-2157. | 14.0 | 15 |
| 50 | Nash equilibrium based fairness. Mathematical Methods of Operations Research, 2012, 76, 43-65. | 1.0 | 11 |
| 51 | Multiscale fairness and its application to resource allocation in wireless networks. Computer Communications, 2012, 35, 820-828. | 5.1 | 13 |
| 52 | Correction to "Analysis and Optimization of Sleeping Mode in WiMAX via Stochastic Decomposition Techniques" [Sep 11 1630-1640]. IEEE Journal on Selected Areas in Communications, 2012, 30, 846-846. | 14.0 | 0 |
| 53 | Opportunistic Scheduling in Cellular Systems in the Presence of Noncooperative Mobiles. IEEE Transactions on Information Theory, 2012, 58, 1757-1773. | 2.4 | 10 |
| 54 | Optimal Dissemination of Security Patches in Mobile Wireless Networks. IEEE Transactions on Information Theory, 2012, 58, 4714-4732. | 2.4 | 14 |

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| 55 | A Hybrid Approach for Radio Resource Management in Heterogeneous Cognitive Networks. IEEE Journal on Selected Areas in Communications, 2011, 29, 831-842. | 14.0 | 47 |
| 56 | Scheduling gain for frequency-selective Rayleigh-fading channels with application to self-organizing packet scheduling. Performance Evaluation, 2011, 68, 690-709. | 1.2 | 16 |
| 57 | Spatial queueing for analysis, design and dimensioning of Picocell networks with mobile users. Performance Evaluation, 2011, 68, 710-727. | 1.2 | 5 |
| 58 | Optimal Control of Sleep Periods for Wireless Terminals. IEEE Journal on Selected Areas in Communications, 2011, 29, 1605-1617. | 14.0 | 29 |
| 59 | Jamming in Wireless Networks Under Uncertainty. Mobile Networks and Applications, 2011, 16, 246-254. | 3.3 | 45 |
| 60 | Bio-inspired delayed evolutionary game dynamics withÂnetworking applications. Telecommunication Systems, 2011, 47, 137-152. | 2.5 | 26 |
| 61 | Closed form solutions for water-filling problems inÂoptimization andÂgame frameworks. Telecommunication Systems, 2011, 47, 153-164. | 2.5 | 35 |
| 62 | Tradeoffs in green cellular networks. Performance Evaluation Review, 2011, 39, 67-71. | 0.6 | 16 |
| 63 | Delay Optimal Scheduling in a Two-Hop Vehicular Relay Network. Mobile Networks and Applications, 2010, 15, 97-111. | 3.3 | 26 |
| 64 | Guest Editorial: Special Issue â€œSM 85-Wireless and Mobile Computing, Networking and Communicationsâ€. Mobile Networks and Applications, 2010, 15, 187-190. | 3.3 | 0 |
| 65 | Impact of macrodiversity on capacity and coverage ofÂcellularÂnetwork. Telecommunication Systems, 2010, 43, 133-143. | 2.5 | 1 |
| 66 | Information Concealing Games. IEEE Transactions on Information Theory, 2010, 56, 4608-4630. | 2.4 | 2 |
| 67 | Optimal monotone forwarding policies in delay tolerant mobile ad-hoc networks. Performance Evaluation, 2010, 67, 299-317. | 1.2 | 48 |
| 68 | Markov Decision Evolutionary Games. IEEE Transactions on Automatic Control, 2010, 55, 1560-1569. | 5.7 | 21 |
| 69 | Impact of mobility on call block, call drops and optimal cell size in small cell networks. , 2010, , . | | 11 |
| 70 | Semi-linear Stochastic Difference Equations. Discrete Event Dynamic Systems: Theory and Applications, 2009, 19, 115-136. | 1.5 | 13 |
| 71 | Dynamic Discrete Power Control in Cellular Networks. IEEE Transactions on Automatic Control, 2009, 54, 2328-2340. | 5.7 | 29 |
| 72 | Methodologies for analyzing equilibria in wireless games. IEEE Signal Processing Magazine, 2009, 26, 41-52. | 5.6 | 135 |

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| 73 | Constrained cost-coupled stochastic games with independent state processes. Operations Research Letters, 2008, 36, 160-164. | 0.7 | 73 |
| 74 | Performance of ad hoc networks with two-hop relay routing and limited packet lifetime (extended) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 | 1.2 | 43 |
| 75 | Improving connectivity in vehicular ad hoc networks: An analytical study. Computer Communications, 2008, 31, 1653-1659. | 5.1 | 71 |
| 76 | Analytical Model for Connectivity in Vehicular Ad Hoc Networks. IEEE Transactions on Vehicular Technology, 2008, 57, 3341-3356. | 6.3 | 368 |
| 77 | Non-Atomic Games for Multi-User Systems. IEEE Journal on Selected Areas in Communications, 2008, 26, 1047-1058. | 14.0 | 24 |
| 78 | Inefficient Noncooperation in Networking Games of Common-Pool Resources. IEEE Journal on Selected Areas in Communications, 2008, 26, 1260-1268. | 14.0 | 29 |
| 79 | The Impact of Channel Randomness on Coverage and Connectivity of Ad Hoc and Sensor Networks. IEEE Transactions on Wireless Communications, 2008, 7, 1062-1072. | 9.2 | 89 |
| 80 | A Mixed Optimum in Symmetric Distributed Computer Systems. IEEE Transactions on Automatic Control, 2008, 53, 631-635. | 5.7 | 4 |
| 81 | INFINITE-SERVER QUEUES WITH SYSTEM'S ADDITIONAL TASKS AND IMPATIENT CUSTOMERS. Probability in the Engineering and Informational Sciences, 2008, 22, 477-493. | 0.8 | 49 |
| 82 | Multihoming of Users to Access Points in WLANs: A Population Game Perspective. IEEE Journal on Selected Areas in Communications, 2007, 25, 1207-1215. | 14.0 | 65 |
| 83 | La théorie des jeux non-coopératifs appliquée aux réseaux de télécommunication. Annales Des Telecommunications/Annals of Telecommunications, 2007, 62, 827-846. | 2.5 | 1 |
| 84 | Expected waiting time in symmetric polling systems with correlated walking times. Queueing Systems, 2007, 56, 241-253. | 0.9 | 22 |
| 85 | Analysis of customers' impatience in queues with server vacations. Queueing Systems, 2006, 52, 261-279. | 0.9 | 132 |
| 86 | A survey on discriminatory processor sharing. Queueing Systems, 2006, 53, 53-63. | 0.9 | 76 |
| 87 | Zero-sum constrained stochastic games with independent state processes. Mathematical Methods of Operations Research, 2005, 62, 375-386. | 1.0 | 37 |
| 88 | Analysis of Alternating-Priority Queueing Models with (Cross) Correlated Switchover Times. Queueing Systems, 2005, 51, 199-247. | 0.9 | 8 |
| 89 | Equilibrium, Games, and Pricing in Transportation and Telecommunication Networks. Networks and Spatial Economics, 2004, 4, 7-21. | 1.6 | 88 |
| 90 | A Markovian Model for TCP Analysis in a Differentiated Services Network. Telecommunication Systems, 2004, 25, 129-155. | 2.5 | 5 |

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| 91 | Selected papers from the First Workshop on Modeling and Optimization in Mobile, Ad Hoc and Wireless Networks (WiOptâ€™2003). Performance Evaluation, 2004, 57, 423-425. | 1.2 | 6 |
| 92 | Perturbation analysis for denumerable Markov chains with application to queueing models. Advances in Applied Probability, 2004, 36, 839-853. | 0.7 | 67 |
| 93 | Queueing and Fluid Analysis of Partial Message Discarding Policy. Queueing Systems, 2003, 44, 253-280. | 0.9 | 3 |
| 94 | On loss probabilities in presence of redundant packets with random drop. Performance Evaluation, 2003, 53, 147-167. | 1.2 | 10 |
| 95 | ON THE WORKLOAD PROCESS IN A FLUID QUEUE WITH A RESPONSIVE BURSTY INPUT AND SELECTIVE DISCARDING. Probability in the Engineering and Informational Sciences, 2003, 17, 527-543. | 0.8 | 0 |
| 96 | Estimating membership in a multicast session. Performance Evaluation Review, 2003, 31, 250-260. | 0.6 | 2 |
| 97 | An asymptotic simplex method for singularly perturbed linear programs. Operations Research Letters, 2002, 30, 295-307. | 0.7 | 13 |
| 98 | Non-cooperative routing in loss networks. Performance Evaluation, 2002, 49, 257-272. | 1.2 | 24 |
| 99 | Regular Ordering and Applications in Control Policies. Discrete Event Dynamic Systems: Theory and Applications, 2002, 12, 187-210. | 1.5 | 5 |
| 100 | Stochastic Recursive Equations with Applications to Queues with Dependent Vacations. Annals of Operations Research, 2002, 112, 43-61. | 4.1 | 20 |
| 101 | ON THE COMPARISON OF QUEUEING SYSTEMS WITH THEIR FLUID LIMITS. Probability in the Engineering and Informational Sciences, 2001, 15, 165-178. | 0.8 | 25 |
| 102 | On the workload process in a fluid queue with bursty input and selective discarding. Teletraffic Science and Engineering, 2001, 4, 757-768. | 0.4 | 3 |
| 103 | TCP modeling in the presence of nonlinear window growth. Teletraffic Science and Engineering, 2001, 4, 883-894. | 0.4 | 9 |
| 104 | Routing into Two Parallel Links: Game-Theoretic Distributed Algorithms. Journal of Parallel and Distributed Computing, 2001, 61, 1367-1381. | 4.1 | 43 |
| 105 | Multimodularity, Convexity, and Optimization Properties. Mathematics of Operations Research, 2000, 25, 324-347. | 1.3 | 96 |
| 106 | SCHEDULING OF AN INPUT-QUEUED SWITCH TO ACHIEVE MAXIMAL THROUGHPUT. Probability in the Engineering and Informational Sciences, 2000, 14, 327-334. | 0.8 | 10 |
| 107 | TCP in presence of bursty losses. Performance Evaluation, 2000, 42, 129-147. | 1.2 | 31 |
| 108 | Analysis of TCP Vegas and TCP Reno. Telecommunication Systems, 2000, 15, 381-404. | 2.5 | 24 |

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| 109 | Perturbation of linear quadratic systems with jump parameters and hybrid controls. Mathematical Methods of Operations Research, 2000, 51, 399-417. | 1.0 | 2 |
| 110 | Open-loop routeing to M parallel servers with no buffers. Journal of Applied Probability, 2000, 37, 668-684. | 0.7 | 3 |
| 111 | Congestion control as a stochastic control problem with action delays. Automatica, 1999, 35, 1937-1950. | 5.0 | 119 |
| 112 | On the Integration of Best†Effort and Guaranteed Performance Services. European Transactions on Telecommunications, 1999, 10, 125-134. | 1.2 | 23 |
| 113 | Constrained Markov decision processes with total cost criteria: Lagrangian approach and dual linear program. Mathematical Methods of Operations Research, 1998, 48, 387-417. | 1.0 | 27 |
| 114 | On asymptotic optimization of a class of nonlinear stochastic hybrid systems. Mathematical Methods of Operations Research, 1998, 47, 289-315. | 1.0 | 10 |
| 115 | Performance Bounds and Pathwise Stability for Generalized Vacation and Polling Systems. Operations Research, 1998, 46, 137-148. | 1.9 | 4 |
| 116 | Individual Equilibrium and Learning in Processor Sharing Systems. Operations Research, 1998, 46, 776-784. | 1.9 | 74 |
| 117 | Applications of Borovkov's Renovation Theory to Non-Stationary Stochastic Recursive Sequences and Their Control. Advances in Applied Probability, 1997, 29, 388-413. | 0.7 | 6 |
| 118 | On the stability of retrial queues. Queueing Systems, 1997, 26, 343-363. | 0.9 | 33 |
| 119 | Polling on a space with general arrival and service time distribution. Operations Research Letters, 1997, 20, 187-194. | 0.7 | 11 |
| 120 | Rate based flow control with bandwidth information. European Transactions on Telecommunications, 1997, 8, 55-65. | 1.2 | 14 |
| 121 | Non zero-sum stochastic games in admission, service and routing control in queueing systems. Queueing Systems, 1996, 23, 259-279. | 0.9 | 30 |
| 122 | Optimality of a Threshold Policy in theM/M/ queue with repeated vacations. Mathematical Methods of Operations Research, 1996, 44, 75-96. | 1.0 | 8 |
| 123 | Constrained Markov decision processes with total cost criteria: Occupation measures and primal LP. Mathematical Methods of Operations Research, 1996, 43, 45-72. | 1.0 | 28 |
| 124 | On the stability of timed token rings. Performance Evaluation, 1996, 26, 219-234. | 1.2 | 1 |
| 125 | On the value function in constrained control of Markov chains. Mathematical Methods of Operations Research, 1996, 44, 387-399. | 1.0 | 7 |
| 126 | Control of a random walk with noisy delayed information. Systems and Control Letters, 1995, 24, 207-213. | 2.3 | 11 |

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| 127 | Optimality of monotonic policies for two-action Markovian decision processes, with applications to control of queues with delayed information. Queueing Systems, 1995, 21, 267-291. | 0.9 | 32 |
| 128 | Zero-sum Markov games and worst-case optimal control of queueing systems. Queueing Systems, 1995, 21, 415-447. | 0.9 | 31 |
| 129 | Discrete time queues with delayed information. Queueing Systems, 1995, 19, 361-376. | 0.9 | 12 |
| 130 | Rate of Convergence of Empirical Measures and Costs in Controlled Markov Chains and Transient Optimality. Mathematics of Operations Research, 1994, 19, 955-974. | 1.3 | 9 |
| 131 | Queueing in space. Advances in Applied Probability, 1994, 26, 1095-1116. | 0.7 | 29 |
| 132 | Denumerable Constrained Markov Decision Processes and Finite Approximations. Mathematics of Operations Research, 1994, 19, 169-191. | 1.3 | 37 |
| 133 | Sample Path Analysis of Token Rings. Teletraffic Science and Engineering, 1994, 1, 811-820. | 0.4 | 4 |
| 134 | Control of a hybrid stochastic system. Systems and Control Letters, 1993, 20, 307-314. | 2.3 | 15 |
| 135 | Time-Sharing Policies for Controlled Markov Chains. Operations Research, 1993, 41, 1116-1124. | 1.9 | 21 |
| 136 | Closed-loop control with delayed information. Performance Evaluation Review, 1992, 20, 193-204. | 0.6 | 36 |
| 137 | Stability, monotonicity and invariant quantities in general polling systems. Queueing Systems, 1992, 11, 35-57. | 0.9 | 69 |
| 138 | On Elevator polling with globally gated regime. Queueing Systems, 1992, 11, 85-90. | 0.9 | 25 |
| 139 | Polling systems with synchronization constraints. Annals of Operations Research, 1992, 35, 231-267. | 4.1 | 15 |
| 140 | Sensitivity of constrained Markov decision processes. Annals of Operations Research, 1991, 32, 1-22. | 4.1 | 39 |
| 141 | Adaptive control of constrained Markov chains: Criteria and policies. Annals of Operations Research, 1991, 28, 101-134. | 4.1 | 32 |