

# Leon A Petrosyan

## List of Publications by Citations

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

81  
papers

500  
citations

12  
h-index

20  
g-index

85  
ext. papers

588  
ext. citations

1.1  
avg, IF

4.51  
L-index

#	Paper	IF	Citations
81	Subgame Consistent Cooperative Solutions in Stochastic Differential Games. <i>Journal of Optimization Theory and Applications</i> , <b>2004</b> , 120, 651-666	1.6	66
80	A cooperative stochastic differential game of transboundary industrial pollution. <i>Automatica</i> , <b>2008</b> , 44, 1532-1544	5.7	57
79	Subgame Consistent Solutions of a Cooperative Stochastic Differential Game with Nontransferable Payoffs. <i>Journal of Optimization Theory and Applications</i> , <b>2005</b> , 124, 701-724	1.6	40
78	Subgame Consistent Economic Optimization. <i>Static and Dynamic Game Theory: Foundations and Applications</i> , <b>2012</b> ,	0.2	33
77	Subgame Consistent Solutions for Cooperative Stochastic Dynamic Games. <i>Journal of Optimization Theory and Applications</i> , <b>2010</b> , 145, 579-596	1.6	28
76	Dynamically stable corporate joint ventures. <i>Automatica</i> , <b>2006</b> , 42, 365-370	5.7	22
75	Cooperative network design: A Nash bargaining solution approach. <i>Computer Networks</i> , <b>2015</b> , 83, 265-274	5.4	18
74	Subgame Consistent Cooperation. <i>Theory and Decision Library Series C, Game Theory, Mathematical Programming and Operations Research</i> , <b>2016</b> ,		18
73	Cooperation in two-stage games on undirected networks. <i>Journal of Systems Science and Complexity</i> , <b>2017</b> , 30, 680-693	1	15
72	Subgame Consistent Cooperative Solution of Dynamic Games with Random Horizon. <i>Journal of Optimization Theory and Applications</i> , <b>2011</b> , 150, 78-97	1.6	15
71	A Nash Bargaining Solution for Cooperative Network Formation Games. <i>Lecture Notes in Computer Science</i> , <b>2011</b> , 307-318	0.9	15
70	Subgame Consistent Solutions for a Class of Cooperative Stochastic Differential Games with Nontransferable Payoffs <b>2007</b> , 153-170		13
69	Subgame-consistent cooperative solutions in randomly furcating stochastic dynamic games. <i>Mathematical and Computer Modelling</i> , <b>2013</b> , 57, 976-991		11
68	Subgame-consistent cooperative solutions in randomly furcating stochastic differential games. <i>Mathematical and Computer Modelling</i> , <b>2007</b> , 45, 1294-1307		10
67	Subgame consistent cooperative solution for NTU dynamic games via variable weights. <i>Automatica</i> , <b>2015</b> , 59, 84-89	5.7	9
66	The Subgame-Consistent Shapley Value for Dynamic Network Games with Shock. <i>Dynamic Games and Applications</i> , <b>2016</b> , 6, 520-537	1.1	9
65	Multistage network games with perfect information. <i>Automation and Remote Control</i> , <b>2014</b> , 75, 1532-1540	0.6	9

64	Cooperative Dynamic Games with Control Lags. <i>Dynamic Games and Applications</i> , <b>2019</b> , 9, 550-567	1.1	8
63	Cooperative Dynamic Games with Durable Controls: Theory and Application. <i>Dynamic Games and Applications</i> , <b>2020</b> , 10, 872-896	1.1	8
62	Shapley value for differential network games: Theory and application. <i>Journal of Dynamics and Games</i> , <b>2021</b> , 8, 151	1.9	7
61	Bargaining in Dynamic Games <b>2003</b> , 139-143		6
60	A Cooperative Dynamic Environmental Game of Subgame Consistent Clean Technology Development. <i>International Game Theory Review</i> , <b>2016</b> , 18, 1640008	0.2	6
59	Strategically supported cooperation in dynamic games with coalition structures. <i>Science China Mathematics</i> , <b>2016</b> , 59, 1015-1028	0.8	6
58	Subgame Consistent Cooperative Provision of Public Goods. <i>Dynamic Games and Applications</i> , <b>2013</b> , 3, 419-442	1.1	5
57	A TIME-CONSISTENT SOLUTION FORMULA FOR BARGAINING PROBLEM IN DIFFERENTIAL GAMES. <i>International Game Theory Review</i> , <b>2014</b> , 16, 1450016	0.2	5
56	SUBGAME CONSISTENT COOPERATIVE SOLUTIONS FOR RANDOMLY FURCATING STOCHASTIC DYNAMIC GAMES WITH UNCERTAIN HORIZON. <i>International Game Theory Review</i> , <b>2014</b> , 16, 1440012	0.2	5
55	Construction of Dynamically Stable Solutions in Differential Network Games. <i>Lecture Notes in Control and Information Sciences - Proceedings</i> , <b>2020</b> , 51-61	0.2	5
54	About one multistage non-antagonistic network game. <i>Vestnik Sankt-Peterburgskogo Universiteta, Prikladnaya Matematika, Informatika, Protsessy Upravleniya</i> , <b>2019</b> , 15, 603-615	0.9	4
53	Subgame Consistent Cooperative Provision of Public Goods Under Accumulation and Payoff Uncertainties. <i>Dynamic Modeling and Econometrics in Economics and Finance</i> , <b>2014</b> , 289-315		4
52	Time-Consistent Solutions for Two-Stage Network Games with Pairwise Interactions. <i>Mobile Networks and Applications</i> , <b>2021</b> , 26, 491-500	2.9	4
51	Nontransferable Utility Cooperative Dynamic Games <b>2018</b> , 633-670		4
50	Cooperative Differential Games with Transferable Payoffs <b>2018</b> , 595-632		4
49	Existence of strong nash equilibrium in repeated and multistage games <b>2017</b> ,		3
48	Strongly Time-consistent Solutions for Two-stage Network Games. <i>Procedia Computer Science</i> , <b>2014</b> , 31, 255-264	1.6	3
47	Convergence of strong time-consistent payment schemes in dynamic games. <i>Applied Mathematics and Computation</i> , <b>2017</b> , 315, 96-112	2.7	3

46	Transformation of Characteristic Function in Dynamic Games. <i>Journal of Systems Science and Information</i> , <b>2013</b> , 1, 22-37	0.3	3
45	On a Simplified Method of Defining Characteristic Function in Stochastic Games. <i>Mathematics</i> , <b>2020</b> , 8, 1135	2.3	3
44	Generalized dynamic games with durable strategies under uncertain planning horizon. <i>Journal of Computational and Applied Mathematics</i> , <b>2021</b> , 395, 113595	2.4	3
43	Strong Strategic Support of Cooperation in Multistage Games. <i>International Game Theory Review</i> , <b>2019</b> , 21, 1940004	0.2	2
42	SUBGAME CONSISTENT SOLUTION FOR COOPERATIVE STOCHASTIC DYNAMIC GAMES WITH RANDOM HORIZON. <i>International Game Theory Review</i> , <b>2012</b> , 14, 1250012	0.2	2
41	Strong Time-Consistent Solution for Cooperative Differential Games with Network Structure. <i>Mathematics</i> , <b>2021</b> , 9, 755	2.3	2
40	Dynamic Cooperative Games on Networks. <i>Communications in Computer and Information Science</i> , <b>2021</b> , 403-416	0.3	2
39	Time consistency of the interval Shapley-like value in dynamic games. <i>Journal of Intelligent and Fuzzy Systems</i> , <b>2016</b> , 30, 1965-1972	1.6	1
38	Dynamic Shapley value for repeated network games with shock <b>2015</b> ,		1
37	Equilibrium and Cooperation in Repeated Hierarchical Games. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 685-696	0.9	1
36	Cooperative Differential Games with Transferable Payoffs <b>2016</b> , 1-38		1
35	Subgame Consistent Economic Optimization Under Uncertainty. <i>Static and Dynamic Game Theory: Foundations and Applications</i> , <b>2012</b> , 203-237	0.2	1
34	Two-Level Cooperation in Network Games. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , <b>2019</b> , 71-81	0.2	
33	Strongly Time-Consistent Solutions in Cooperative Dynamic Games. <i>Annals of the International Society of Dynamic Games</i> , <b>2020</b> , 23-37	0.2	
32	S-strongly Time-Consistency in Differential Games. <i>Static and Dynamic Game Theory: Foundations and Applications</i> , <b>2018</b> , 203-217	0.2	
31	Collaborative Environmental Management. <i>Theory and Decision Library Series C, Game Theory, Mathematical Programming and Operations Research</i> , <b>2016</b> , 371-404		
30	Subgame Consistent Cooperative Solution in NTU Differential Games. <i>Theory and Decision Library Series C, Game Theory, Mathematical Programming and Operations Research</i> , <b>2016</b> , 135-161		
29	Subgame Consistent Cooperative Solution in Differential Games. <i>Theory and Decision Library Series C, Game Theory, Mathematical Programming and Operations Research</i> , <b>2016</b> , 15-51		

- 28 Subgame Consistency in NTU Cooperative Dynamic Games. *Theory and Decision Library Series C, Game Theory, Mathematical Programming and Operations Research*, **2016**, 285-317
- 27 Applications in Business Collaboration. *Theory and Decision Library Series C, Game Theory, Mathematical Programming and Operations Research*, **2016**, 439-494
- 26 Subgame Consistent Cooperative Solution in Dynamic Games. *Theory and Decision Library Series C, Game Theory, Mathematical Programming and Operations Research*, **2016**, 165-199
- 25 Subgame Consistent Cooperation in Stochastic Differential Games. *Theory and Decision Library Series C, Game Theory, Mathematical Programming and Operations Research*, **2016**, 53-84
- 24 Subgame Consistency in Randomly-Furcating Cooperative Stochastic Dynamic Games. *Theory and Decision Library Series C, Game Theory, Mathematical Programming and Operations Research*, **2016**, 223-250
- 23 Nontransferable Utility Cooperative Dynamic Games **2017**, 1-38
- 22 Dynamic Strategic Interactions in Economic Systems. *Static and Dynamic Game Theory: Foundations and Applications*, **2012**, 7-45 0.2
- 21 Cost-Saving Joint Venture Under Uncertainty. *Static and Dynamic Game Theory: Foundations and Applications*, **2012**, 239-270 0.2
- 20 Subgame Consistent Dormant Firm Cartel. *Static and Dynamic Game Theory: Foundations and Applications*, **2012**, 295-321 0.2
- 19 Dynamic Consistency in Discrete-Time Cooperative Games. *Static and Dynamic Game Theory: Foundations and Applications*, **2012**, 323-342 0.2
- 18 Collaborative Environmental Management. *Static and Dynamic Game Theory: Foundations and Applications*, **2012**, 147-175 0.2
- 17 Discrete-Time Cooperative Games Under Uncertainty. *Static and Dynamic Game Theory: Foundations and Applications*, **2012**, 343-365 0.2
- 16 Dynamic Economic Optimization: Group Optimality and Individual Rationality. *Static and Dynamic Game Theory: Foundations and Applications*, **2012**, 47-76 0.2
- 15 Dynamically Stable Dormant Firm Cartel. *Static and Dynamic Game Theory: Foundations and Applications*, **2012**, 177-202 0.2
- 14 Collaborative Environmental Management Under Uncertainty. *Static and Dynamic Game Theory: Foundations and Applications*, **2012**, 271-293 0.2
- 13 Dynamically Stable Cost-Saving Joint Venture. *Static and Dynamic Game Theory: Foundations and Applications*, **2012**, 111-146 0.2
- 12 Time Consistency and Optimal-Trajectory-Subgame Consistent Economic Optimization. *Static and Dynamic Game Theory: Foundations and Applications*, **2012**, 77-110 0.2
- 11 Eco-Degradation Management Under Durable Strategies: Efficiency Maximization and Sustainable Imputation. *Theory and Decision Library Series C, Game Theory, Mathematical Programming and Operations Research*, **2022**, 133-168

- 10 Stochastic Durable-Strategies Dynamic Games. *Theory and Decision Library Series C, Game Theory, Mathematical Programming and Operations Research*, **2022**, 259-300
- 9 Random Horizon Dynamic Games with Durable Strategies. *Theory and Decision Library Series C, Game Theory, Mathematical Programming and Operations Research*, **2022**, 169-214
- 8 Durable-Strategies Dynamic Games: Theory and Solution Techniques. *Theory and Decision Library Series C, Game Theory, Mathematical Programming and Operations Research*, **2022**, 7-31
- 7 Durable-Strategies Dynamic Games of Investments. *Theory and Decision Library Series C, Game Theory, Mathematical Programming and Operations Research*, **2022**, 33-69
- 6 On Nash Equilibrium in Repeated Hierarchical Games. *Lecture Notes in Control and Information Sciences - Proceedings*, **2022**, 447-455 0.2
- 5 Dynamic Environmental Games: Anthropogenic Eco-degradation under Strategies Lags. *Theory and Decision Library Series C, Game Theory, Mathematical Programming and Operations Research*, **2022**, 71-103
- 4 Durable-Strategies Cooperative Dynamic Games. *Theory and Decision Library Series C, Game Theory, Mathematical Programming and Operations Research*, **2022**, 105-131
- 3 Asynchronous Horizons Durable-Strategies Dynamic Games. *Theory and Decision Library Series C, Game Theory, Mathematical Programming and Operations Research*, **2022**, 215-258
- 2 Two Level Cooperation in Dynamic Network Games with Partner Sets. *Lecture Notes in Computer Science*, **2022**, 250-263 0.9
- 1 The Core of Cooperative Differential Games on Networks. *Lecture Notes in Computer Science*, **2022**, 295-314