STANDARDE MINIMALE NECESARE ŞI OBLIGATORII PENTRU CONFERIREA TITLURILOR DIDACTICE DIN ÎNVĂŢĂMÂNTUL SUPERIOR

							Indicatori (kpi)
			1. Structura activităţii candidatului				
Nr. crt.	Domeniul activităţilor					Subcategorii	Indicatori (kpi)
0	1		2	3		4	5
1	Activitatea didacica si profesionala (A1)	Carti si capitole în carti de specialitate in edituri recunoscute	Carti/ monografii/ capitole ca autor;		A1.1.1	internationale	100.00
					A1.1.2	nationale	0.00
		Material didactic / Lucrari didactice	Manuale didactice		A1.2.1		20.00
TOTAL criteriul A1							120.00
2	Activitatea de cercetare (A2)	Articole in reviste cotate si in volumele unor manifestari stiintifice indexate ISI proceedings			A2.1		349.62
		Articole in reviste si volumele unor manifestari stiintifice indexate in baze de date internationale (BDI)			A2.2		94.00
		Proprietate intelectuala, brevete de inventie, certificate ORDA			A2.3.1	internationale	
					A2.3.2	nationale	
		Granturi / proiecte castigate prin competitie	Director/ responsabil		A2.4.1.1	internationale	100.00
					A2.4.1.2	nationale	40.00
			Membru in echipa		A2.4.2.1	internationale	20.00
					A2.4.2.2	nationale	4.00
TOTAL criteriul A2							607.62
3	Recunoasterea si impactul activitatii (A3)	Citări in carti, reviste si volume ale unor manifestari stiintifice			A3.1.1	carti, ISI	664.67
					A3.1.2	BDI	0.00
		Prezentari invitate in plenul unor manifestari stiintifice nationale si internationale şi Profesor invitat	Punctaj unic pentru fiecare activitate		A3.2.1	internationale	100
					A3.2.2	nationale	0
		Membru in colectivele de redactie sau comitete stiintifice al revistelor, organizator de manifestari stiintifice, internationale indexate ISI	Punctaj unic pentru fiecare activitate		A3.3.1	ISI	50
					A3.3.2	BDI	48
					A3.3.3	nationale si internationale neindexate	
		Premii in domeniu			A3.4.1	Academia Romana, ASTR, academii de ramura, premii internationale	15
					A3.4.2	premii nationale in domeniu	20
TOTAL criteriul A3							897.67
Indicator de merit (A1 + A2 + A3)							1625.28

3. Conditii minimale (Aᵢ)

Nr. crt.	Domeniul de activitate	Conditii Minimale Profesor	Punctaj realizat
A1	Activitatea didactică / profesională (A1)	100	120.00
A2	Activitatea de cercetare (A2)	500	607.62
A3	Recunoaşterea impactului activităţii (A3)	100	897.67
TOTAL (A)		700	1625.28

Conditii minimale obligatorii pe subcategorii		Conditii Minimale Profesor	Realizat
A1.1.1 - A1.1.2	Carti si capitole în carti de specialitate	2 carti / capitole	4
A1.2.1-A1.2.2	Material didactic / Lucrari didactice	2	2
A2.1	Articole in reviste cotate si in volumele unor manifestari stiintifice indexate ISI proceedings	12	25
A2.4.1	Granturi/proiecte castigate prin competitie (Director/ responsabil)	2	3
A3.1.1 - A3.1.2	Numar de citări in carti, reviste si volume ale unor manifestari stiintifice ISI sau BDI	20	276
	Factor de impact cumulat pentru publicatii	6	27.14

A1. Activitatea didactica si profesionala

Nr. crt.	A1.1. Carti de specialitate	Editura	An	National / International	Punctaj
1	Buşoniu, L.; Babuška, R.; De Schutter, B. & Ernst, D. Reinforcement Learning and Dynamic Programming Using Function Approximators. Taylor & Francis CRC Press, 2010	Taylor and Francis CRC Press	2010	International	25.00
2	Buşoniu, L.; Babuška, R. & De Schutter, Multi-Agent Reinforcement Learning: An Overview, Innovations in Multi-Agent Systems and Applications, Springer, 2010, B. Srinivasan, D. & Jain, L. (Eds.)	Springer	2013	International	25.00
3	L. Busoniu, D. Ernst, B. De Schutter, and R. Babuska, Continuous-State Reinforcement Learning with Fuzzy Approximation. In Adaptive Agents and Multi-Agent Systems III, K. Tuyls, A. Nowe, Z. Guessoum, D. Kudenko (Eds.), series Lecture Notes in Computer Science, vol. 4865.	Springer	2008	International	25.00
4	Buşoniu, L.; Munos, R. & Babuška, R.A Review of Optimistic Planning in Markov Decision Processes. Reinforcement Learning and Adaptive Dynamic Programming for Feedback Control, Wiley, 2012, Lewis, F. & Liu, D. (Eds.)	Wiley	2012	International	25.00
National					**0**
International					**100.00**
TOTAL (carti)			4		**100.00**

Nr. crt.	A1.2. Lucrari didactice	Editura	An	National / International	Punctaj
1	Buşoniu, L.; De Schutter, B. & Babuška, Approximate Dynamic Programming and Reinforcement Learning, Interactive Collaborative Information Systems, Springer, 2010, 3-44, R. Babuška, R. & Groen, F. C. A. (Eds.)	Springer	2010	International	10.00
2	Buşoniu, L.; Lazaric, A.; Ghavamzadeh, M.; Munos, R.; Babuška, R. & De Schutter, B. Least-Squares Methods for Policy Iteration Reinforcement Learning: State of the Art, Springer, 2011, 12, 75-109, Wiering, M. & van Otterlo, M. (Eds.)	Springer	2011	International	10.00
TOTAL (lucrari didactice)			2		**20.00**

A2. Activitatea de cercetare

Nr. crt.	A2.1. Articole in reviste ISI	Revista	An	Factor de impact	Numar de autori	Punctaj
1	K. Máthé; L. Buşoniu, Vision and Control for UAVs: A Survey of General Methods and of Inexpensive Platforms for Infrastructure Inspection, 2015, Sensors 15(7), 147887--14916.	Sensors	2015	2.245	2	34.95
2	Buşoniu, L. & Morarescu, C. Consensus for Black-Box Nonlinear Agents Using Optimistic Optimization. Automatica, 2014, in press.	Automatica	2014	2.919	2	41.69
3	Grondman, I.; Buşoniu, L.; Lopes, G. & Babuška, R. A Survey of Actor-Critic Reinforcement Learning: Standard and Natural Policy Gradients, 2012, IEEE Transactions on Systems Man and Cybernetics Part B-Cybernetics 42, 1291-1307	IEEE Transactions on Systems Man and Cybernetics Part B-Cybernetics	2012	3.236	4	22.43
4	Adam, S.; Buşoniu, L. & Babuška, R. Experience Replay for Real-Time Reinforcement Learning Control, 2012, IEEE Transactions on Systems, Man, and Cybernetics. Part C: Applications and Reviews 42, 201-212	IEEE Transactions on Systems, Man, and Cybernetics. Part C: Applications and Reviews	2012	2.548	3	25.32
5	Grondman, I.; Vaandrager, M.; Buşoniu, L.; Babuška, R. & Schuitema, E. Efficient Model-Learning Methods for Actor-Critic Control, 2011, IEEE Transactions on Systems, Man, and Cybernetics. Part B: Cybernetics 42, 591-602	IEEE Transactions on Systems, Man, and Cybernetics. Part B: Cybernetics	2011	3.236	5	17.94
6	Buşoniu, L.; Ernst, D.; De Schutter, B. & Babuška, R. Cross-Entropy Optimization of Control Policies with Adaptive Basis Functions, 2011, 41, 196-209	IEEE Transactions on Systems, Man, and Cybernetics---Part B: Cybernetics	2010	3.236	4	22.43
7	Buşoniu, L.; Ernst, D.; De Schutter, B. & Babuška, R. Approximate Dynamic Programming with a Fuzzy Parameterization, 2010, Automatica 46, 804-814	Automatica	2010	2.919	4	20.85
8	Buşoniu, L.; Babuška, R. & De Schutter, B. A Comprehensive Survey of Multi-Agent Reinforcement Learning, 2008, IEEE Transactions on Systems, Man, and Cybernetics. Part C: Applications and Reviews 38, 156-172	IEEE Transactions on Systems, Man, and Cybernetics. Part C: Applications and Reviews	2008	2.548	3	25.32
	TOTAL (articole in reviste ISI)		8	**22.89**		**210.93**

A2. Activitatea de cercetare

Nr. crt.	A2.1. Articole ISI Proceedings	Conferinta ISI	An	Factor de impact echiv	Numar de autori	Punctaj
1	Buşoniu, L.; Babuška, R. & De Schutter, B. Multi-Agent Reinforcement Learning: A Survey, 2006, 527-532	Proceedings 9th International Conference of Control, Automation, Robotics, and Vision (ICARCV-06)	2006	0.25	3	8.75
2	Buşoniu, L.; De Schutter, B. & Babuška, R. Decentralized Reinforcement Learning Control of a Robotic Manipulator, 2006, 1347-1352	Proceedings 9th International Conference of Control, Automation, Robotics, and Vision (ICARCV-06)	2006	0.25	3	8.75
3	Buşoniu, L.; Ernst, D.; De Schutter, B. & Babuška, R. Online Least-Squares Policy Iteration for Reinforcement Learning Control , Proceedings 2010 American Control Conference (ACC-10), 2010, 486-491	Proceedings 2010 American Control Conference (ACC-10)	2010	0.25	4	6.56
4	Buşoniu, L.; Ernst, D.; De Schutter, B. & Babuška, R. Policy Search with Cross-Entropy Optimization of Basis Functions , 2009, 153-160	Proceedings 2009 IEEE International Symposium on Adaptive Dynamic Programming and Reinforcement Learning (ADPRL-09)	2009	0.25	4	6.56
5	Buşoniu, L.; Ernst, D.; De Schutter, B. & Babuška, R. Consistency of Fuzzy Model-Based Reinforcement Learning, 2008, 518-524	Proceedings 2008 IEEE International Conference on Fuzzy Systems (FUZZ-IEEE-08)	2008	0.25	4	6.56
6	Buşoniu, L.; Ernst, D.; De Schutter, B. & Babuška, R. Fuzzy Approximation for Convergent Model-Based Reinforcement Learning , 2007, 968-973	Proceedings 2007 IEEE International Conference on Fuzzy Systems (FUZZ-IEEE-07)	2007	0.25	4	6.56

A2. Activitatea de cercetare

7	Buşoniu, L. & Morarescu, C. Optimistic Planning for Consensus, 2013	Proceedings American Control Conference 2013 (ACC-13)	2013	0.25	2	13.13
8	Buşoniu, L. & Morarescu, C. Consensus for Agents with General Dynamics Using Optimistic Optimization , 2013	Proceedings 52nd Conference on Decision and Control (CDC-13)	2013	0.25	2	13.13
9	Buşoniu, L.; Postoyan, R. & Daafouz, J. Near-optimal strategies for nonlinear networked control systems using optimistic planning , 2013	Proceedings American Control Conference 2013 (ACC-13)	2013	0.25	3	8.75
10	Grondman, I.; Buşoniu, L. & Babuška, R. Model-Learning Actor-Critic Algorithms: Performance Evaluation in a Motion Control Task , 5272-5277	Proceedings 51st IEEE Conference on Decision and Control, 2012	2012	0.25	3	8.75
11	Schuitema, E.; Buşoniu, L.; Babuška, R. & Jonker, P. Control Delay in Reinforcement Learning for Real-Time Dynamic Systems: A Memoryless Approach 2010., 2010	IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS-10)	2010	0.25	4	6.56
12	Jitea, I. M.; Valentin, M. & Busoniu, I. L. Calibrating tools for modelling the technological changes at the farm level, 31-36	Proceedings 5th International Conference on the Management of Technological Changes, 2007	2007	0.25	3	8.75
13	Meng, X.; Babuska, R.; Busoniu, L.; Chen, Y. & Tan, W. An improved multiagent reinforcement learning algorithm , 337-343	Proceedings International Conference on Intelligent Agent Technology, 2005	2005	0.25	5	5.25
14	Buşoniu, L.; Daniels, A.; Munos, R. & Babuška, R. Optimistic Planning for Continuous--Action Deterministic Systems , 2013	2013 IEEE International Symposium on Adaptive Dynamic Programming and Reinforcement Learning (ADPRL-13)	2013	0.25	4	6.56
15	Fonteneau, R.; Buşoniu, L. & Munos, R. Optimistic Planning for Belief-Augmented Markov Decision , 2013	Processes 2013 IEEE International Symposium on Adaptive Dynamic Programming and Reinforcement Learning (ADPRL-13)	2013	0.25	3	8.75

A2. Activitatea de cercetare

16	E. Pall, K. Mathe, L. Tamas, L. Busoniu, Railway Track Following with the AR.Drone Using Vanishing Point Detection. In Proceedings 2014 IEEE International Conference on Automation, Quality and Testing, Robotics (AQTR-14), Cluj-Napoca, Romania, 22–24 May 2014.	2014 IEEE International Conference on Automation, Quality and Testing, Robotics	2014	0.25	4	6.56
17	K. Mathe, L. Busoniu, L. Miclea, Optimistic Planning with Long Sequences of Identical Actions for Near-Optimal Nonlinear Control. In Proceedings 2014 IEEE International Conference on Automation, Quality and Testing, Robotics (AQTR-14), Cluj-Napoca, Romania, 22–24 May 2014.	2014 IEEE International Conference on Automation, Quality and Testing, Robotics	2014	0.25	3	8.75
	TOTAL (articole in conferinte ISI)		17	4.25		138.69

A2. Activitatea de cercetare

Nr. crt.	A2.2. Articole in reviste BDI	Revista	An	Indexata in	Numar de autori	Punctaj
1	L. Busoniu, C. Morarescu, "Topology-preserving flocking of nonlinear agents using optimistic planning", Control Theory and Technology 13(1), 70--81.	Control Theory and Technology	2015	SCOPUS, INSPEC, Google Scholar, EI-Compendex, etc	2	10.00
2	Meng, X.; Robert Babuška Yu Chen & Buşoniu, L. Multiagent Reinforcement Learning Algorithm Research Based on Non Markov Environment, 2006, International Journal of Information Technology 12, 60-68	International Journal of Information Technology	2006	SCOPUS, INSPEC, Google Scholar, EI-Compendex, etc	4	5.00
3	Buşoniu, L.; De Schutter, B.; Babuška, R. & Ernst, D. Exploiting Policy Knowledge in Online Least-Squares Policy Iteration: An Empirical Study, 2010, Automation, Computers, Applied Mathematics 19, 521-529	Automation, Computers, Applied Mathematics	2010	SCOPUS, INSPEC, Google Scholar, EI-Compendex, etc	4	5.00
	TOTAL (articole in reviste BDI)					**20.00**

Nr. crt.	A2.2. Articole conferinte BDI	Conferinta BDI	An	Indexata in	Numar de autori	Punctaj
1	K. Mathe, L. Busoniu, R. Munos, B. De Schutter, Optimistic Planning with a Limited Number of Action Switches for Near-Optimal Nonlinear Control. IEEE Conference on Decision and Control (CDC-14), Los Angeles, USA, 15–17 December 2014	IEEE Conference on Decision and Control (CDC-14)	2014	IEEEXplore	4	5.00
2	Buşoniu, L.; De Schutter, B.; Babuška, R. & Ernst, D. Using Prior Knowledge to Accelerate Online Least-Squares Policy Iteration , 2010	2010 IEEE International Conference on Automation, Quality and Testing, Robotics (AQTR-10)	2010	IEEEXplore	4	5.00
3	Buşoniu, L.; Ernst, D.; De Schutter, B. & Babuška, R. Approximate Reinforcement Learning: An Overview, 2011, 1-8	Proceedings 2011 IEEE International Symposium on Adaptive Dynamic Programming and Reinforcement Learning (ADPRL-11)	2011	IEEEXplore	4	5.00

A2. Activitatea de cercetare

#	Reference	Conference	Year	Index	Count	Score
4	Buşoniu, L.; Ernst, D.; De Schutter, B. & Babuška, R. Fuzzy Partition Optimization for Approximate Fuzzy Q-iteration, 2008, 5629-5634	Proceedings 17th IFAC World Congress (IFAC-08)	2008	IFAC PapersOnline	4	5.00
5	Buşoniu, L. & Munos, R. Optimistic Planning for Markov Decision Processes , 2012, 22, 182-189	Proceedings 15th International Conference on Artificial Intelligence and Statistics (AISTATS-12)	2012	Journal Of Machine Learning Research Workshop Series	2	10.00
6	Buşoniu, L.; Munos, R.; De Schutter, B. & Babuška, R. Optimistic Planning for Sparsely Stochastic Systems , 2011, 48-55	Proceedings 2011 IEEE International Symposium on Adaptive Dynamic Programming and Reinforcement Learning (ADPRL-11)	2011	IEEEXplore	4	5.00
7	L. Busoniu, R. Munos, Elod Pall, An Analysis of Optimistic, Best-First Search for Minimax Sequential Decision Making. IEEE Symposium on Adaptive Dynamic Programming and Reinforcement Learning (ADPRL-14), Orlando, USA, 10–13 December 2014.	IEEE Symposium on Adaptive Dynamic Programming and Reinforcement Learning (ADPRL-14)	2014	IEEEXplore	3	6.67
8	Grondman, I.; Vaandrager, M.; Buşoniu, L.; Babuška, R. & Schuitema, E. Actor-Critic Control with Reference Model Learning , 2011	18th IFAC World Congress (IFAC-11)	2011	IFAC PapersOnline	5	4.00
9	Norouzzadeh, S.; Buşoniu, L. & Babuška, R. Efficient Knowledge Transfer in Shaping Reinforcement Learning , 2011	18th IFAC World Congress (IFAC-11)	2011	IFAC PapersOnline	3	6.67
10	Yuan, X.; Buşoniu, L. & Babuška, R. Reinforcement Learning for Elevator Control , 2008, 2212-2217	Proceedings 17th IFAC World Congress (IFAC-08)	2008	IFAC PapersOnline	3	6.67
11	Buşoniu, L. & Tamas, L. Optimistic Planning for the Near-Optimal Control of General Nonlinear Systems with Continuous Transition Distributions , 2014	19th IFAC World Congress (IFAC-14)	2014	IFAC PapersOnline	2	10.00
12	R. Postoyan, L. Busoniu , D. Nesic, J. Daafouz, Stability of Infinite-Horizon Optimal Control with Discounted Cost. Accepted at IEEE Conference on Decision and Control (CDC-14), Los Angeles, USA, 15–17 December 2014.	IEEE Conference on Decision and Control (CDC-14)	2014	IEEEXplore	4	5.00
	TOTAL (articole in conferinte BDI)					**74.00**

A2. Activitatea de cercetare

Nr. crt.	A2.4. Granturi /proiecte castigate prin competitie	Functia (Director/Membru)	Ani	International / National	Punctaj
1	Reinforcement Learning and Planning For Large-Scale Systems, Proiect Tinere Echipe nr 58/2013, UEFISCDI, Ministry of Education, Romania. Budget: 180000 EUR. 2013-2016.	Director	4	National	40.00
2	PHC Brancusi: Metode bazate pe inteligenţa artificială pentru controlul stabil şi optimal al sistemelor în reţea	Director	2	International	40.00
3	CNRS PICS 6614: Optimisation fondee sur l'intelligence artificielle pour le controle des systemes en reseau et hybrides (**finantat de partea franceza**)	Director	3	International	60.00
4	ICIS: Interactive Collaborative Information Systems, BSIK program, Olanda, 2005-2011	Membru	5	International	20.00
5	Exploration for Efficient Resource Allocation (EXPLO-RA), funded by ANR (Agence Nationale de la Recherche) France	Membru	1	National	2.00
6	AGENTEL: Sisteme de agenti inteligenti si multi-agenti in teleoperare si control pentru o cascada de hidrocentrale, 2004, proiect INFOSOC	Membru	1	National	2.00
					0.00
	TOTAL (granturi proiecte castigate prin competitie)				**164.00**

A3. Recunoasterea si impactul activitatii

Nr. crt.	A3.1. Lucrari citate in carti, reviste si volume ale unor manifestari stiintifice	Nr. de autori	Citat in	An	Publicatia / Conferinta in care se citeaza	Tip	Punctaj
1	Buşoniu, L.; Babuška, R. & De Schutter, B. A Comprehensive Survey of Multi-Agent Reinforcement Learning IEEE Transactions on Systems, Man, and Cybernetics. Part C: Applications and Reviews, 2008, 38, 156-172	3	Law, Yee Wei; Alpcan, Tansu; Palaniswami, MarimuthuSecurity Games for Risk Minimization in Automatic Generation ControlIEEE TRANSACTIONS ON POWER SYSTEMS	2015	IEEE TRANSACTIONS ON POWER SYSTEMS	ISI	2.6667
2	Buşoniu, L.; Babuška, R. & De Schutter, B. A Comprehensive Survey of Multi-Agent Reinforcement Learning IEEE Transactions on Systems, Man, and Cybernetics. Part C: Applications and Reviews, 2008, 38, 156-172	3	Hung Manh La; Lim, Ronny; Sheng, WeihuaMultirobot Cooperative Learning for Predator AvoidanceIEEE TRANSACTIONS ON CONTROL SYSTEMS TECHNOLOGY	2015	IEEE TRANSACTIONS ON CONTROL SYSTEMS TECHNOLOGY	ISI	2.6667
3	Buşoniu, L.; Babuška, R. & De Schutter, B. A Comprehensive Survey of Multi-Agent Reinforcement Learning IEEE Transactions on Systems, Man, and Cybernetics. Part C: Applications and Reviews, 2008, 38, 156-172	3	Jedrzejowicz, P.; Ratajczak-Ropel, E.Reinforcement Learning strategies for A-Team solving the Resource-Constrained Project Scheduling ProblemNEUROCOMPUTING	2014	NEUROCOMPUTING	ISI	2.6667
5	Buşoniu, L.; Babuška, R. & De Schutter, B. A Comprehensive Survey of Multi-Agent Reinforcement Learning IEEE Transactions on Systems, Man, and Cybernetics. Part C: Applications and Reviews, 2008, 38, 156-172	3	Yu, Chao; Zhang, Minjie; Ren, FenghuiCollective Learning for the Emergence of Social Norms in Networked Multiagent SystemsIEEE TRANSACTIONS ON CYBERNETICS	2014	IEEE TRANSACTIONS ON CYBERNETICS	ISI	2.6667
6	Buşoniu, L.; Babuška, R. & De Schutter, B. A Comprehensive Survey of Multi-Agent Reinforcement Learning IEEE Transactions on Systems, Man, and Cybernetics. Part C: Applications and Reviews, 2008, 38, 156-172	3	Mousavi, Seyed Sajad; Ghazanfari, Behzad; Mozayani, Nasser; Jahed-Motlagh, Mohammad RezaAutomatic abstraction controller in reinforcement learning agent via automataAPPLIED SOFT COMPUTING	2014	APPLIED SOFT COMPUTING	ISI	2.6667
7	Buşoniu, L.; Babuška, R. & De Schutter, B. A Comprehensive Survey of Multi-Agent Reinforcement Learning IEEE Transactions on Systems, Man, and Cybernetics. Part C: Applications and Reviews, 2008, 38, 156-172	3	Correa, Marcelo Franca; Vellasco, Marley; Figueiredo, KarlaMulti-agent systems with reinforcement hierarchical neuro-fuzzy modelsAUTONOMOUS AGENTS AND MULTI-AGENT SYSTEMS	2014	AUTONOMOUS AGENTS AND MULTI-AGENT SYSTEMS	ISI	2.6667
8	Buşoniu, L.; Babuška, R. & De Schutter, B. A Comprehensive Survey of Multi-Agent Reinforcement Learning IEEE Transactions on Systems, Man, and Cybernetics. Part C: Applications and Reviews, 2008, 38, 156-172	3	Chen, Songhang; Zhu, Fenghua; Cao, JianpingGrowing Spatially Embedded Social Networks for Activity-Travel Analysis Based on Artificial Transportation SystemsIEEE TRANSACTIONS ON INTELLIGENT TRANSPORTATION SYSTEMS	2014	IEEE TRANSACTIONS ON INTELLIGENT TRANSPORTATION SYSTEMS	ISI	2.6667
9	Buşoniu, L.; Babuška, R. & De Schutter, B. A Comprehensive Survey of Multi-Agent Reinforcement Learning IEEE Transactions on Systems, Man, and Cybernetics. Part C: Applications and Reviews, 2008, 38, 156-172	3	Abreu, Pedro Henriques; Silva, Daniel Castro; Almeida, Fernando; Mendes-Moreira, JoaoImproving a simulated soccer team's performance through a Memory-Based Collaborative Filtering approachAPPLIED SOFT COMPUTING	2014	APPLIED SOFT COMPUTING	ISI	2.6667
10	Buşoniu, L.; Babuška, R. & De Schutter, B. A Comprehensive Survey of Multi-Agent Reinforcement Learning IEEE Transactions on Systems, Man, and Cybernetics. Part C: Applications and Reviews, 2008, 38, 156-172	3	Rudek, R.Computational complexity of the single processor makespan minimization problem with release dates and job-dependent learningJOURNAL OF THE OPERATIONAL RESEARCH SOCIETY	2014	JOURNAL OF THE OPERATIONAL RESEARCH SOCIETY	ISI	2.6667
11	Buşoniu, L.; Babuška, R. & De Schutter, B. A Comprehensive Survey of Multi-Agent Reinforcement Learning IEEE Transactions on Systems, Man, and Cybernetics. Part C: Applications and Reviews, 2008, 38, 156-172	3	Rudek, RadoslawExact and parallel metaheuristic algorithms for the single processor total weighted completion time scheduling problem with the sum-of-processing-time based modelsCOMPUTERS & OPERATIONS RESEARCH	2014	COMPUTERS & OPERATIONS RESEARCH	ISI	2.6667
12	Buşoniu, L.; Babuška, R. & De Schutter, B. A Comprehensive Survey of Multi-Agent Reinforcement Learning IEEE Transactions on Systems, Man, and Cybernetics. Part C: Applications and Reviews, 2008, 38, 156-172	3	Luo, Biao; Wu, Huai-Ning; Li, Han-XiongData-based Suboptimal Neuro-control Design with Reinforcement Learning for Dissipative Spatially Distributed ProcessesINDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH	2014	INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH	ISI	2.6667
13	Buşoniu, L.; Babuška, R. & De Schutter, B. A Comprehensive Survey of Multi-Agent Reinforcement Learning IEEE Transactions on Systems, Man, and Cybernetics. Part C: Applications and Reviews, 2008, 38, 156-172	3	Chen, Chunlin; Dong, Daoyi; Li, Han-Xiong; Chu, Jian; Tarn, Tzyh-JongFidelity-Based Probabilistic Q-Learning for Control of Quantum SystemsIEEE TRANSACTIONS ON NEURAL NETWORKS AND LEARNING SYSTEMS	2014	IEEE TRANSACTIONS ON NEURAL NETWORKS AND LEARNING SYSTEMS	ISI	2.6667

A3. Recunoasterea si impactul activitatii

	Reference		Citing work	Year	Source		Factor
14	Buşoniu, L.; Babuška, R. & De Schutter, B. A Comprehensive Survey of Multi-Agent Reinforcement Learning IEEE Transactions on Systems, Man, and Cybernetics. Part C: Applications and Reviews, 2008, 38, 156-172	3	Hernandez-Leal, Pablo; Munoz de Cote, Enrique; Enrique Sucar, L.A framework for learning and planning against switching strategies in repeated gamesCONNECTION SCIENCE	2014	CONNECTION SCIENCE	ISI	2.6667
15	Buşoniu, L.; Babuška, R. & De Schutter, B. A Comprehensive Survey of Multi-Agent Reinforcement Learning IEEE Transactions on Systems, Man, and Cybernetics. Part C: Applications and Reviews, 2008, 38, 156-172	3	Ure, N. Kemal; Chowdhary, Girish; Chen, Yu Fan; How, Jonathan P.; Vian, JohnDistributed Learning for Planning Under Uncertainty Problems with Heterogeneous TeamsJOURNAL OF INTELLIGENT & ROBOTIC SYSTEMS	2014	JOURNAL OF INTELLIGENT & ROBOTIC SYSTEMS	ISI	2.6667
16	Buşoniu, L.; Babuška, R. & De Schutter, B. A Comprehensive Survey of Multi-Agent Reinforcement Learning IEEE Transactions on Systems, Man, and Cybernetics. Part C: Applications and Reviews, 2008, 38, 156-172	3	Mitrovic, Dejan; Ivanovic, Mirjana; Budimac, Zoran; Vidakovic, MilanRadigost: Interoperable web-based multi-agent platformJOURNAL OF SYSTEMS AND SOFTWARE	2014	JOURNAL OF SYSTEMS AND SOFTWARE	ISI	2.6667
17	Buşoniu, L.; Babuška, R. & De Schutter, B. A Comprehensive Survey of Multi-Agent Reinforcement Learning IEEE Transactions on Systems, Man, and Cybernetics. Part C: Applications and Reviews, 2008, 38, 156-172	3	Sundar, D. Krishna; Ravikumar, K.An actor-critic algorithm for multi-agent learning in queue-based stochastic gamesNEUROCOMPUTING	2014	NEUROCOMPUTING	ISI	2.6667
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73	Buşoniu, L.; Babuška, R. & De Schutter, B. A Comprehensive Survey of Multi-Agent Reinforcement Learning IEEE Transactions on Systems, Man, and Cybernetics. Part C: Applications and Reviews, 2008, 38, 156-172	3	Ziermann, Tobias; Wildermann, Stefan; Muehleis, Nina; Teich, JuergenDistributed self-organizing bandwidth allocation for priority-based bus communicationCONCURRENCY AND COMPUTATION-PRACTICE & EXPERIENCE	2012	CONCURRENCY AND COMPUTATION-PRACTICE & EXPERIENCE	ISI	2.6667
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84	Buşoniu, L.; Babuška, R. & De Schutter, B. A Comprehensive Survey of Multi-Agent Reinforcement Learning IEEE Transactions on Systems, Man, and Cybernetics. Part C: Applications and Reviews, 2008, 38, 156-172	3	Santos, Matilde; Martin H, Jose Antonio; Lopez, Victoria; Botella, GuillermoDyna-H: A heuristic planning reinforcement learning algorithm applied to role-playing game strategy decision systemsKNOWLEDGE-BASED SYSTEMS	2012	KNOWLEDGE-BASED SYSTEMS	ISI	2.6667
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95	Buşoniu, L.; Babuška, R. & De Schutter, B. A Comprehensive Survey of Multi-Agent Reinforcement Learning IEEE Transactions on Systems, Man, and Cybernetics. Part C: Applications and Reviews, 2008, 38, 156-172	3	Cunningham, Bryan; Cao, YongLevels of Realism for Cooperative Multi-agent Reinforcement LearningADVANCES IN SWARM INTELLIGENCE, ICSI 2012, PT I	2012	ADVANCES IN SWARM INTELLIGENCE, ICSI 2012, PT I	ISI	2.6667
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98	Buşoniu, L.; Babuška, R. & De Schutter, B. A Comprehensive Survey of Multi-Agent Reinforcement Learning IEEE Transactions on Systems, Man, and Cybernetics. Part C: Applications and Reviews, 2008, 38, 156-172	3	Sunberg, Z.; Chakravorty, S.; Erwin, R.Information Space Receding Horizon Control for Multi-Agent Systems2012 AMERICAN CONTROL CONFERENCE (ACC)	2012	2012 AMERICAN CONTROL CONFERENCE (ACC)	ISI	2.6667
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101	Buşoniu, L.; Babuška, R. & De Schutter, B. A Comprehensive Survey of Multi-Agent Reinforcement Learning IEEE Transactions on Systems, Man, and Cybernetics. Part C: Applications and Reviews, 2008, 38, 156-172	3	Oliehoek, Frans A.Decentralized POMDPsREINFORCEMENT LEARNING: STATE-OF-THE-ART	2012	REINFORCEMENT LEARNING: STATE-OF-THE-ART	ISI	2.6667
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104	Buşoniu, L.; Babuška, R. & De Schutter, B. A Comprehensive Survey of Multi-Agent Reinforcement Learning IEEE Transactions on Systems, Man, and Cybernetics. Part C: Applications and Reviews, 2008, 38, 156-172	3	Janiak, Adam; Rudek, RadoslawA note on the learning effect in multi-agent optimizationEXPERT SYSTEMS WITH APPLICATIONS	2011	EXPERT SYSTEMS WITH APPLICATIONS	ISI	2.6667
105	Buşoniu, L.; Babuška, R. & De Schutter, B. A Comprehensive Survey of Multi-Agent Reinforcement Learning IEEE Transactions on Systems, Man, and Cybernetics. Part C: Applications and Reviews, 2008, 38, 156-172	3	Devlin, Sam; Kudenko, Daniel; Grzes, MarekAN EMPIRICAL STUDY OF POTENTIAL-BASED REWARD SHAPING AND ADVICE IN COMPLEX, MULTI-AGENT SYSTEMSADVANCES IN COMPLEX SYSTEMS	2011	ADVANCES IN COMPLEX SYSTEMS	ISI	2.6667
106	Buşoniu, L.; Babuška, R. & De Schutter, B. A Comprehensive Survey of Multi-Agent Reinforcement Learning IEEE Transactions on Systems, Man, and Cybernetics. Part C: Applications and Reviews, 2008, 38, 156-172	3	Vassiliades, Vassilis; Cleanthous, Aristodemos; Christodoulou, ChrisMultiagent Reinforcement Learning: Spiking and Nonspiking Agents in the Iterated Prisoner's DilemmaIEEE TRANSACTIONS ON NEURAL NETWORKS	2011	IEEE TRANSACTIONS ON NEURAL NETWORKS	ISI	2.6667
107	Buşoniu, L.; Babuška, R. & De Schutter, B. A Comprehensive Survey of Multi-Agent Reinforcement Learning IEEE Transactions on Systems, Man, and Cybernetics. Part C: Applications and Reviews, 2008, 38, 156-172	3	Jin, Yaochu; Meng, YanMorphogenetic Robotics: An Emerging New Field in Developmental RoboticsIEEE TRANSACTIONS ON SYSTEMS MAN AND CYBERNETICS PART C-APPLICATIONS AND REVIEWS	2011	IEEE TRANSACTIONS ON SYSTEMS MAN AND CYBERNETICS PART C-APPLICATIONS AND REVIEWS	ISI	2.6667
108	Buşoniu, L.; Babuška, R. & De Schutter, B. A Comprehensive Survey of Multi-Agent Reinforcement Learning IEEE Transactions on Systems, Man, and Cybernetics. Part C: Applications and Reviews, 2008, 38, 156-172	3	Akramizadeh, Ali; Afshar, Ahmad; Menhaj, Mohammad Bagher; Jafari, SamiraModel-Based Reinforcement Learning in Multiagent Systems with Sequential Action SelectionIEICE TRANSACTIONS ON INFORMATION AND SYSTEMS	2011	IEICE TRANSACTIONS ON INFORMATION AND SYSTEMS	ISI	2.6667
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111	Buşoniu, L.; Babuška, R. & De Schutter, B. A Comprehensive Survey of Multi-Agent Reinforcement Learning IEEE Transactions on Systems, Man, and Cybernetics. Part C: Applications and Reviews, 2008, 38, 156-172	3	Reich, GregorMarket Self-organization under Limited InformationADVANCES IN ARTIFICIAL INTELLIGENCE	2011	ADVANCES IN ARTIFICIAL INTELLIGENCE	ISI	2.6667
112	Buşoniu, L.; Babuška, R. & De Schutter, B. A Comprehensive Survey of Multi-Agent Reinforcement Learning IEEE Transactions on Systems, Man, and Cybernetics. Part C: Applications and Reviews, 2008, 38, 156-172	3	Vamvoudakis, Kyriakos G.; Lewis, F. L.Policy Iteration Algorithm for Distributed Networks and Graphical Games2011 50TH IEEE CONFERENCE ON DECISION AND CONTROL AND EUROPEAN CONTROL CONFERENCE (CDC-ECC)	2011	2011 50TH IEEE CONFERENCE ON DECISION AND CONTROL AND EUROPEAN CONTROL CONFERENCE (CDC-ECC)	ISI	2.6667
113	Buşoniu, L.; Babuška, R. & De Schutter, B. A Comprehensive Survey of Multi-Agent Reinforcement Learning IEEE Transactions on Systems, Man, and Cybernetics. Part C: Applications and Reviews, 2008, 38, 156-172	3	Phon-Amnuaisuk, SomnukLearning Chasing Behaviours of Non-Player Characters in Games Using SARSAAPPLICATIONS OF EVOLUTIONARY COMPUTATION, PT I	2011	APPLICATIONS OF EVOLUTIONARY COMPUTATION, PT I	ISI	2.6667
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115	Buşoniu, L.; Babuška, R. & De Schutter, B. A Comprehensive Survey of Multi-Agent Reinforcement Learning IEEE Transactions on Systems, Man, and Cybernetics. Part C: Applications and Reviews, 2008, 38, 156-172	3	Sharma, Rajneesh; Spaan, Matthijs T. J.Fuzzy Reinforcement Learning Control for Decentralized Partially Observable Markov Decision ProcessesIEEE INTERNATIONAL CONFERENCE ON FUZZY SYSTEMS (FUZZ 2011)	2011	IEEE INTERNATIONAL CONFERENCE ON FUZZY SYSTEMS (FUZZ 2011)	ISI	2.6667

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118	Buşoniu, L.; Babuška, R. & De Schutter, B. A Comprehensive Survey of Multi-Agent Reinforcement Learning IEEE Transactions on Systems, Man, and Cybernetics. Part C: Applications and Reviews, 2008, 38, 156-172	3	Chen Gang; Cao Weihua; Chen Xin; Wu MinMulti-Agent Q-Learning with Joint State Value Approximation2011 30TH CHINESE CONTROL CONFERENCE (CCC)		2011	2011 30TH CHINESE CONTROL CONFERENCE (CCC)	ISI	2.6667
119	Buşoniu, L.; Babuška, R. & De Schutter, B. A Comprehensive Survey of Multi-Agent Reinforcement Learning IEEE Transactions on Systems, Man, and Cybernetics. Part C: Applications and Reviews, 2008, 38, 156-172	3	Vamvoudakis, Kyriakos G.; Lewis, F. L.Multi-agent Differential Graphical Games2011 30TH CHINESE CONTROL CONFERENCE (CCC)		2011	2011 30TH CHINESE CONTROL CONFERENCE (CCC)	ISI	2.6667
120	Buşoniu, L.; Babuška, R. & De Schutter, B. A Comprehensive Survey of Multi-Agent Reinforcement Learning IEEE Transactions on Systems, Man, and Cybernetics. Part C: Applications and Reviews, 2008, 38, 156-172	3	Iima, Hitoshi; Kuroe, Yasuaki; Emoto, KazuoSwarm Reinforcement Learning Methods for Problems with Continuous State-Action Space2011 IEEE INTERNATIONAL CONFERENCE ON SYSTEMS, MAN, AND CYBERNETICS (SMC)		2011	2011 IEEE INTERNATIONAL CONFERENCE ON SYSTEMS, MAN, AND CYBERNETICS (SMC)	ISI	2.6667
121	Buşoniu, L.; Babuška, R. & De Schutter, B. A Comprehensive Survey of Multi-Agent Reinforcement Learning IEEE Transactions on Systems, Man, and Cybernetics. Part C: Applications and Reviews, 2008, 38, 156-172	3	Hadidi, Ramtin; Jeyasurya, BenjaminA Real-Time Multiagent Wide-Area Stabilizing Control Framework for Power System Transient Stability Enhancement2011 IEEE POWER AND ENERGY SOCIETY GENERAL MEETING		2011	2011 IEEE POWER AND ENERGY SOCIETY GENERAL MEETING	ISI	2.6667
122	Buşoniu, L.; Babuška, R. & De Schutter, B. A Comprehensive Survey of Multi-Agent Reinforcement Learning IEEE Transactions on Systems, Man, and Cybernetics. Part C: Applications and Reviews, 2008, 38, 156-172	3	Tilak, Omkar; Mukhopadhyay, SnehasisPartially decentralized reinforcement learning in finite, multi-agent Markov decision processesAI COMMUNICATIONS	2011	AI COMMUNICATIONS		ISI	2.6667
123	Buşoniu, L.; Babuška, R. & De Schutter, B. A Comprehensive Survey of Multi-Agent Reinforcement Learning IEEE Transactions on Systems, Man, and Cybernetics. Part C: Applications and Reviews, 2008, 38, 156-172	3	Fernandez-Gauna, Borja; Manuel Lopez-Guede, Jose; Grana, ManuelConcurrent Modular Q-Learning with Local Rewards on Linked Multi-Component Robotic SystemsFOUNDATIONS ON NATURAL AND ARTIFICIAL COMPUTATION: 4TH INTERNATIONAL WORK-CONFERENCE ON THE INTERPLAY BETWEEN NATURAL AND ARTIFICIAL COMPUTATION, IWINAC 2011, PART I		2011	FOUNDATIONS ON NATURAL AND ARTIFICIAL COMPUTATION: 4TH INTERNATIONAL WORK-CONFERENCE ON THE INTERPLAY BETWEEN NATURAL AND ARTIFICIAL COMPUTATION, IWINAC 2011, PART I	ISI	2.6667
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A3. Recunoasterea si impactul activitatii

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154	Buşoniu, L.; Babuška, R. & De Schutter, B. A Comprehensive Survey of Multi-Agent Reinforcement Learning IEEE Transactions on Systems, Man, and Cybernetics. Part C: Applications and Reviews, 2008, 38, 156-172	3	Vassiliades, Vassilis; Cleanthous, Aristodemos; Christodoulou, ChrisMultiagent Reinforcement Learning with Spiking and Non-Spiking Agents in the Iterated Prisoner's DilemmaARTIFICIAL NEURAL NETWORKS - ICANN 2009, PT I 2009 ARTIFICIAL NEURAL NET	ISI	2.6667
155	Buşoniu, L.; Babuška, R. & De Schutter, B. A Comprehensive Survey of Multi-Agent Reinforcement Learning IEEE Transactions on Systems, Man, and Cybernetics. Part C: Applications and Reviews, 2008, 38, 156-172	3	Akramizadeh, Ali; Afshar, Ahmad; Menhaj, Mohammad-BDifferent Forms of the Games in Multiagent Reinforcement learning: Alternating vs. simultanous movementsMED: 2009 17TH MEDITERRANEAN CONFERENCE ON CONTROL & AUTOMATION, VOLS 1-3 2009 MED: 2009 17TH MEDIT	ISI	2.6667
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157	Buşoniu, L.; Babuška, R. & De Schutter, B. A Comprehensive Survey of Multi-Agent Reinforcement Learning IEEE Transactions on Systems, Man, and Cybernetics. Part C: Applications and Reviews, 2008, 38, 156-172	3	Iima, Hitoshi; Kuroe, YasuakiSwarm Reinforcement Learning Algorithm Based on Particle Swarm Optimization Whose Personal Bests Have LifespansNEURAL INFORMATION PROCESSING, PT 2, PROCEEDINGS 2009 NEURAL INFORMATION	ISI	2.6667
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159	Buşoniu, L.; Babuška, R. & De Schutter, B. A Comprehensive Survey of Multi-Agent Reinforcement Learning IEEE Transactions on Systems, Man, and Cybernetics. Part C: Applications and Reviews, 2008, 38, 156-172	3	Iima, Hitoshi; Kuroe, YasuakiSwarm Reinforcement Learning Algorithms Based on Particle Swarm Optimization2008 IEEE INTERNATIONAL CONFERENCE ON SYSTEMS, MAN AND CYBERNETICS (SMC), VOLS 1-6 2008 2008 IEEE INTERNATION	ISI	2.6667
160	Buşoniu, L.; Babuška, R. & De Schutter, B. A Comprehensive Survey of Multi-Agent Reinforcement Learning IEEE Transactions on Systems, Man, and Cybernetics. Part C: Applications and Reviews, 2008, 38, 156-172	3	Iima, Hitoshi; Kuroe, YasuakiSwarm Reinforcement Learning Algorithms Based on Sarsa Method2008 PROCEEDINGS OF SICE ANNUAL CONFERENCE, VOLS 1-7 2008 2008 PROCEEDINGS OF S	ISI	2.6667
161	Buşoniu, L.; Babuška, R. & De Schutter, B. A Comprehensive Survey of Multi-Agent Reinforcement Learning IEEE Transactions on Systems, Man, and Cybernetics. Part C: Applications and Reviews, 2008, 38, 156-172	3	Dorsey, David; Carandang, Bjorn Jay; Kam, Moshe; Gaughan, ChrisSelf-Adaptive Dissemination of Data in Dynamic Sensor NetworksSASO 2008: Second IEEE International Conference on Self-Adaptive and Self-Organizing Systems, Proceedings 2008 SASO 2008: Second IEEE	ISI	2.6667
162	Buşoniu, L.; Babuška, R.; De Schutter, B. & Ernst, D. Reinforcement Learning and Dynamic Programming Using Function Approximators Taylor & Francis CRC Press, 2010	4	Puncochar, Ivo; Simandl, MiroslavON INFINITE HORIZON ACTIVE FAULT DIAGNOSIS FOR A CLASS OF NON-LINEAR NON-GAUSSIAN SYSTEMSINTERNATIONAL JOURNAL OF APPLIED MATHEMATICS AND COMPUTER SCIENCE 2014 INTERNATIONAL JOURN	ISI	2
163	Buşoniu, L.; Babuška, R.; De Schutter, B. & Ernst, D. Reinforcement Learning and Dynamic Programming Using Function Approximators Taylor & Francis CRC Press, 2010	4	Xu, Xin; Huang, Zhenhua; Graves, Daniel; Pedrycz, WitoldA Clustering-Based Graph Laplacian Framework for Value Function Approximation in Reinforcement LearningIEEE TRANSACTIONS ON CYBERNETICS 2014 IEEE TRANSACTIONS ON	ISI	2
164	Buşoniu, L.; Babuška, R.; De Schutter, B. & Ernst, D. Reinforcement Learning and Dynamic Programming Using Function Approximators Taylor & Francis CRC Press, 2010	4	Huang, Zhenhua; Xu, Xin; Zuo, LeiReinforcement learning with automatic basis construction based on isometric feature mappingINFORMATION SCIENCES 2014 INFORMATION SCIENCES	ISI	2
165	Buşoniu, L.; Babuška, R.; De Schutter, B. & Ernst, D. Reinforcement Learning and Dynamic Programming Using Function Approximators Taylor & Francis CRC Press, 2010	4	Wang, Da; Glavic, Mevludin; Wehenkel, LouisTrajectory-Based Supplementary Damping Control for Power System Electromechanical OscillationsIEEE TRANSACTIONS ON POWER SYSTEMS 2014 IEEE TRANSACTIONS ON	ISI	2
166	Buşoniu, L.; Babuška, R.; De Schutter, B. & Ernst, D. Reinforcement Learning and Dynamic Programming Using Function Approximators Taylor & Francis CRC Press, 2010	4	Giuliani, M.; Galelli, S.; Soncini-Sessa, R.A dimensionality reduction approach for many-objective Markov Decision Processes: Application to a water reservoir operation problemENVIRONMENTAL MODELLING & SOFTWARE 2014 ENVIRONMENTAL MODE	ISI	2
167	Buşoniu, L.; Babuška, R.; De Schutter, B. & Ernst, D. Reinforcement Learning and Dynamic Programming Using Function Approximators Taylor & Francis CRC Press, 2010	4	Rovcanin, Milos; De Poorter, Eli; Moerman, Ingrid; Demeester, PietA reinforcement learning based solution for cognitive network cooperation between co-located, heterogeneous wireless sensor networksAD HOC NETWORKS 2014 AD HOC NETWORKS	ISI	2

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169	Buşoniu, L.; Babuška, R.; De Schutter, B. & Ernst, D. Reinforcement Learning and Dynamic Programming Using Function Approximators Taylor & Francis CRC Press, 2010	4	Gaggero, Mauro; Gnecco, Giorgio; Sanguineti, MarcelloApproximate dynamic programming for stochastic N-stage optimization with application to optimal consumption under uncertaintyCOMPUTATIONAL OPTIMIZATION AND APPLICATIONS	2014	COMPUTATIONAL OPTI	ISI	2
170	Buşoniu, L.; Babuška, R.; De Schutter, B. & Ernst, D. Reinforcement Learning and Dynamic Programming Using Function Approximators Taylor & Francis CRC Press, 2010	4	De Ridder, Fjo; Claessens, BertA trading strategy for industrial CHPs on multiple power marketsINTERNATIONAL TRANSACTIONS ON ELECTRICAL ENERGY SYSTEMS	2014	INTERNATIONAL TRANS	ISI	2
171	Buşoniu, L.; Babuška, R.; De Schutter, B. & Ernst, D. Reinforcement Learning and Dynamic Programming Using Function Approximators Taylor & Francis CRC Press, 2010	4	Rovcanin, Milos; De Poorter, Eli; Moerman, Ingrid; Demeester, PietCoping with Network Dynamics Using Reinforcement Learning Based Network Optimization in Wireless Sensor NetworksWIRELESS PERSONAL COMMUNICATIONS	2014	WIRELESS PERSONAL CC	ISI	2
172	Buşoniu, L.; Babuška, R.; De Schutter, B. & Ernst, D. Reinforcement Learning and Dynamic Programming Using Function Approximators Taylor & Francis CRC Press, 2010	4	Ure, N. Kemal; Chowdhary, Girish; Chen, Yu Fan; How, Jonathan P.; Vian, JohnDistributed Learning for Planning Under Uncertainty Problems with Heterogeneous TeamsJOURNAL OF INTELLIGENT & ROBOTIC SYSTEMS	2014	JOURNAL OF INTELLIGENT & ROBOTIC SYSTEMS	ISI	2
173	Buşoniu, L.; Babuška, R.; De Schutter, B. & Ernst, D. Reinforcement Learning and Dynamic Programming Using Function Approximators Taylor & Francis CRC Press, 2010	4	Fernandez-Gauna, Borja; Ansoategui, Igor; Etxeberria-Agiriano, Ismael; Grana, ManuelReinforcement learning of ball screw feed drive controllersENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE	2014	ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE	ISI	2
174	Buşoniu, L.; Babuška, R.; De Schutter, B. & Ernst, D. Reinforcement Learning and Dynamic Programming Using Function Approximators Taylor & Francis CRC Press, 2010	4	Wagner, PaulPolicy oscillation is overshootingNEURAL NETWORKS	2014	NEURAL NETWORKS	ISI	2
175	Buşoniu, L.; Babuška, R.; De Schutter, B. & Ernst, D. Reinforcement Learning and Dynamic Programming Using Function Approximators Taylor & Francis CRC Press, 2010	4	Zhu, Fei; Liu, Quan; Fu, Yuchen; Shen, BairongSegmentation of Neuronal Structures Using SARSA (lambda)-Based Boundary Amendment with Reinforced Gradient-Descent Curve Shape FittingPLOS ONE	2014	PLOS ONE	ISI	2
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177	Buşoniu, L.; Babuška, R.; De Schutter, B. & Ernst, D. Reinforcement Learning and Dynamic Programming Using Function Approximators Taylor & Francis CRC Press, 2010	4	Lian, Chuanqiang; Xu, Xin; Zuo, Lei; Huang, ZhenhuaAdaptive critic design with graph Laplacian for online learning control of nonlinear systemsINTERNATIONAL JOURNAL OF ADAPTIVE CONTROL AND SIGNAL PROCESSING	2014	INTERNATIONAL JOURNAL OF ADAPTIVE CONTROL AND SIGNAL PROCESSING	ISI	2
178	Buşoniu, L.; Babuška, R.; De Schutter, B. & Ernst, D. Reinforcement Learning and Dynamic Programming Using Function Approximators Taylor & Francis CRC Press, 2010	4	Ruano, Antonio E.; Ge, Shuzhi Sam; Guerra, Thierry Marie; Lewis, Frank L.; Principe, Jose C.; Colnaric, MatjazComputational intelligence in controlANNUAL REVIEWS IN CONTROL	2014	ANNUAL REVIEWS IN CONTROL	ISI	2
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180	Buşoniu, L.; Babuška, R.; De Schutter, B. & Ernst, D. Reinforcement Learning and Dynamic Programming Using Function Approximators Taylor & Francis CRC Press, 2010	4	Fernandez-Gauna, Borja; Luis Osa, Juan; Grana, ManuelEffect of Initial Conditioning of Reinforcement Learning Agents on Feedback Control Tasks over Continuous State and Action SpacesINTERNATIONAL JOINT CONFERENCE SOCO'14-CISIS'14-ICEUTE'14	2014	INTERNATIONAL JOINT CONFERENCE SOCO'14-CISIS'14-ICEUTE'14	ISI	2
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182	Buşoniu, L.; Babuška, R.; De Schutter, B. & Ernst, D. Reinforcement Learning and Dynamic Programming Using Function Approximators Taylor & Francis CRC Press, 2010	4	Hannah, Lauren A.; Powell, Warren B.; Dunson, David B.SEMICONVEX REGRESSION FOR METAMODELING-BASED OPTIMIZATIONSIAM JOURNAL ON OPTIMIZATION	2014	SIAM JOURNAL ON OPTIMIZATION	ISI	2
183	Buşoniu, L.; Babuška, R.; De Schutter, B. & Ernst, D. Reinforcement Learning and Dynamic Programming Using Function Approximators Taylor & Francis CRC Press, 2010	4	Nath, Vishnu; Levinson, Stephen E.Autonomous Military Robotics IntroductionAUTONOMOUS MILITARY ROBOTICS	2014	AUTONOMOUS MILITARY ROBOTICS	ISI	2
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188	Buşoniu, L.; Babuška, R.; De Schutter, B. & Ernst, D. Reinforcement Learning and Dynamic Programming Using Function Approximators Taylor & Francis CRC Press, 2010	4	Backhaus, Scott; Bent, Russell; Bono, James; Lee, Ritchie; Tracey, Brendan; Wolpert, David; Xie, Dongping; Yildiz, YildirayCyber-Physical Security: A Game Theory Model of Humans Interacting Over Control SystemsIEEE TRANSACTIONS ON SMART GRID	2013	IEEE TRANSACTIONS ON SMART GRID	ISI	2
189	Buşoniu, L.; Babuška, R.; De Schutter, B. & Ernst, D. Reinforcement Learning and Dynamic Programming Using Function Approximators Taylor & Francis CRC Press, 2010	4	Vizzotto, Bruno Boessio; Zatt, Bruno; Shafique, Muhammad; Bampi, Sergio; Henkel, JoergModel Predictive Hierarchical Rate Control With Markov Decision Process for Multiview Video CodingIEEE TRANSACTIONS ON CIRCUITS AND SYSTEMS FOR VIDEO TECHNOLOGY	2013	IEEE TRANSACTIONS ON CIRCUITS AND SYSTEMS FOR VIDEO TECHNOLOGY	ISI	2
190	Buşoniu, L.; Babuška, R.; De Schutter, B. & Ernst, D. Reinforcement Learning and Dynamic Programming Using Function Approximators Taylor & Francis CRC Press, 2010	4	Koprinkova-Hristova, Petia; Oubbati, Mohamed; Palm, GuentherHeuristic dynamic programming using echo state network as online trainable adaptive criticINTERNATIONAL JOURNAL OF ADAPTIVE CONTROL AND SIGNAL PROCESSING	2013	INTERNATIONAL JOURNAL OF ADAPTIVE CONTROL AND SIGNAL PROCESSING	ISI	2
191	Buşoniu, L.; Babuška, R.; De Schutter, B. & Ernst, D. Reinforcement Learning and Dynamic Programming Using Function Approximators Taylor & Francis CRC Press, 2010	4	Kober, Jens; Bagnell, J. Andrew; Peters, JanReinforcement learning in robotics: A surveyINTERNATIONAL JOURNAL OF ROBOTICS RESEARCH	2013	INTERNATIONAL JOURNAL OF ROBOTICS RESEARCH	ISI	2
192	Buşoniu, L.; Babuška, R.; De Schutter, B. & Ernst, D. Reinforcement Learning and Dynamic Programming Using Function Approximators Taylor & Francis CRC Press, 2010	4	Konar, Amit; Chakraborty, Indrani Goswami; Singh, Sapam Jitu; Jain, Lakhmi C.; Nagar, Atulya K.A Deterministic Improved Q-Learning for Path Planning of a Mobile RobotIEEE TRANSACTIONS ON SYSTEMS MAN CYBERNETICS-SYSTEMS	2013	IEEE TRANSACTIONS ON SYSTEMS MAN CYBERNETICS-SYSTEMS	ISI	2
193	Buşoniu, L.; Babuška, R.; De Schutter, B. & Ernst, D. Reinforcement Learning and Dynamic Programming Using Function Approximators Taylor & Francis CRC Press, 2010	4	Jiang, Zhong-Ping; Jiang, YuRobust adaptive dynamic programming for linear and nonlinear systems: An overviewEUROPEAN JOURNAL OF CONTROL	2013	EUROPEAN JOURNAL OF CONTROL	ISI	2

194	Buşoniu, L.; Babuška, R.; De Schutter, B. & Ernst, D. Reinforcement Learning and Dynamic Programming Using Function Approximators Taylor & Francis CRC Press, 2010	4	Cable, Baptiste; Loriette, Sophie; Nigro, Jean-MarcUsing simple scenarios for wheelchair driving assistanceEXPERT SYSTEMS	2013	EXPERT SYSTEMS	ISI	2
195	Buşoniu, L.; Babuška, R.; De Schutter, B. & Ernst, D. Reinforcement Learning and Dynamic Programming Using Function Approximators Taylor & Francis CRC Press, 2010	4	Peters, Markus; Ketter, Wolfgang; Saar-Tsechansky, Maytal; Collins, JohnA reinforcement learning approach to autonomous decision-making in smart electricity marketsMACHINE LEARNING	2013	MACHINE LEARNING	ISI	2
196	Buşoniu, L.; Babuška, R.; De Schutter, B. & Ernst, D. Reinforcement Learning and Dynamic Programming Using Function Approximators Taylor & Francis CRC Press, 2010	4	Zhao, Tingting; Hachiya, Hirotaka; Tangkaratt, Voot; Morimoto, Jun; Sugiyama, MasashiEfficient Sample Reuse in Policy Gradients with Parameter-Based ExplorationNEURAL COMPUTATION	2013	NEURAL COMPUTATION	ISI	2
197	Buşoniu, L.; Babuška, R.; De Schutter, B. & Ernst, D. Reinforcement Learning and Dynamic Programming Using Function Approximators Taylor & Francis CRC Press, 2010	4	Geist, Matthieu; Pietquin, OlivierAlgorithmic Survey of Parametric Value Function ApproximationIEEE TRANSACTIONS ON NEURAL NETWORKS AND LEARNING SYSTEMS	2013	IEEE TRANSACTIONS ON NEURAL NETWORKS AND LEARNING SYSTEMS	ISI	2
198	Buşoniu, L.; Babuška, R.; De Schutter, B. & Ernst, D. Reinforcement Learning and Dynamic Programming Using Function Approximators Taylor & Francis CRC Press, 2010	4	Xie, Ning; Hachiya, Hirotaka; Sugiyama, MasashiArtist Agent: A Reinforcement Learning Approach to Automatic Stroke Generation in Oriental Ink PaintingIEICE TRANSACTIONS ON INFORMATION AND SYSTEMS	2013	IEICE TRANSACTIONS ON INFORMATION AND SYSTEMS	ISI	2
199	Buşoniu, L.; Babuška, R.; De Schutter, B. & Ernst, D. Reinforcement Learning and Dynamic Programming Using Function Approximators Taylor & Francis CRC Press, 2010	4	Xu, Xin; Hou, Zhongsheng; Lian, Chuanqiang; He, HaiboOnline Learning Control Using Adaptive Critic Designs With Sparse Kernel MachinesIEEE TRANSACTIONS ON NEURAL NETWORKS AND LEARNING SYSTEMS	2013	IEEE TRANSACTIONS ON NEURAL NETWORKS AND LEARNING SYSTEMS	ISI	2
200	Buşoniu, L.; Babuška, R.; De Schutter, B. & Ernst, D. Reinforcement Learning and Dynamic Programming Using Function Approximators Taylor & Francis CRC Press, 2010	4	Palunko, Ivana; Faust, Aleksandra; Cruz, Patricio; Tapia, Lydia; Fierro, RafaelA Reinforcement Learning Approach Towards Autonomous Suspended Load Manipulation Using Aerial Robots2013 IEEE INTERNATIONAL CONFERENCE ON ROBOTICS AND AUTOMATION (ICRA)	2013	2013 IEEE INTERNATIONAL CONFERENCE ON ROBOTICS AND AUTOMATION (ICRA)	ISI	2
201	Buşoniu, L.; Babuška, R.; De Schutter, B. & Ernst, D. Reinforcement Learning and Dynamic Programming Using Function Approximators Taylor & Francis CRC Press, 2010	4	Faust, Aleksandra; Palunko, Ivana; Cruz, Patricio; Fierro, Rafael; Tapia, LydiaLearning Swing-free Trajectories for UAVs with a Suspended Load2013 IEEE INTERNATIONAL CONFERENCE ON ROBOTICS AND AUTOMATION (ICRA)	2013	2013 IEEE INTERNATIONAL CONFERENCE ON ROBOTICS AND AUTOMATION (ICRA)	ISI	2
202	Buşoniu, L.; Babuška, R.; De Schutter, B. & Ernst, D. Reinforcement Learning and Dynamic Programming Using Function Approximators Taylor & Francis CRC Press, 2010	4	Rodriguez, Abdel; Vrancx, Peter; Nowe, Ann; Hostens, ErikModel-free learning of wire winding control2013 9TH ASIAN CONTROL CONFERENCE (ASCC)	2013	2013 9TH ASIAN CONTROL CONFERENCE (ASCC)	ISI	2
203	Buşoniu, L.; Babuška, R.; De Schutter, B. & Ernst, D. Reinforcement Learning and Dynamic Programming Using Function Approximators Taylor & Francis CRC Press, 2010	4	Ceriani, Nicola; Vignali, Riccardo; Piroddi, Luigi; Prandini, MariaAn approximate dynamic programming approach to the energy management of a building cooling system2013 EUROPEAN CONTROL CONFERENCE (ECC)	2013	2013 EUROPEAN CONTROL CONFERENCE (ECC)	ISI	2
204	Buşoniu, L.; Babuška, R.; De Schutter, B. & Ernst, D. Reinforcement Learning and Dynamic Programming Using Function Approximators Taylor & Francis CRC Press, 2010	4	Ure, N. Kemal; Chowdhary, Girish; How, Jonathan P.; Vavrina, Matthew A.; Vian, JohnHealth Aware Planning Under Uncertainty for UAV Missions with Heterogeneous Teams2013 EUROPEAN CONTROL CONFERENCE (ECC)	2013	2013 EUROPEAN CONTROL CONFERENCE (ECC)	ISI	2
205	Buşoniu, L.; Babuška, R.; De Schutter, B. & Ernst, D. Reinforcement Learning and Dynamic Programming Using Function Approximators Taylor & Francis CRC Press, 2010	4	Lopez-Ramos, Luis M.; Marques, Antonio G.; Ramos, JavierSoft-Decision Sequential Sensing for Optimization of Interweave Cognitive Radio Networks2013 IEEE 14TH WORKSHOP ON SIGNAL PROCESSING ADVANCES IN WIRELESS COMMUNICATIONS (SPAWC)	2013	2013 IEEE 14TH WORKSHOP ON SIGNAL PROCESSING ADVANCES IN WIRELESS COMMUNICATIONS (SPAWC)	ISI	2
206	Buşoniu, L.; Babuška, R.; De Schutter, B. & Ernst, D. Reinforcement Learning and Dynamic Programming Using Function Approximators Taylor & Francis CRC Press, 2010	4	Yasuda, Toshiyuki; Ohkura, Kazuhiro; Yamada, KazuakiMulti-Robot Cooperation Based on Continuous Reinforcement Learning with Two State Space Representations2013 IEEE INTERNATIONAL CONFERENCE ON SYSTEMS, MAN, AND CYBERNETICS (SMC 2013)	2013	2013 IEEE INTERNATIONAL CONFERENCE ON SYSTEMS, MAN, AND CYBERNETICS (SMC 2013)	ISI	2
207	Buşoniu, L.; Babuška, R.; De Schutter, B. & Ernst, D. Reinforcement Learning and Dynamic Programming Using Function Approximators Taylor & Francis CRC Press, 2010	4	Puncochar, Ivo; Simandl, MiroslavOn the Infinite Horizon Active Fault Detection Problem for Linear Gaussian Multiple Models2013 2ND INTERNATIONAL CONFERENCE ON CONTROL AND FAULT-TOLERANT SYSTEMS (SYSTOL)	2013	2013 2ND INTERNATIONAL CONFERENCE ON CONTROL AND FAULT-TOLERANT SYSTEMS (SYSTOL)	ISI	2

	Book Reference		Citing Article	Year	Journal/Conference	Index	
208	Buşoniu, L.; Babuška, R.; De Schutter, B. & Ernst, D. Reinforcement Learning and Dynamic Programming Using Function Approximators Taylor & Francis CRC Press, 2010	4	Claessens, B. J.; Vandael, S.; Ruelens, F.; De Craemer, K.; Beusen, B.Peak Shaving of a Heterogeneous Cluster of Residential Flexibility Carriers using Reinforcement Learning2013 4TH IEEE/PES INNOVATIVE SMART GRID TECHNOLOGIES EUROPE (ISGT EUROPE)	2013	2013 4TH IEEE/PES INNOVATIVE SMART GRID TECHNOLOGIES EUROPE (ISGT EUROPE)	ISI	2
209	Buşoniu, L.; Babuška, R.; De Schutter, B. & Ernst, D. Reinforcement Learning and Dynamic Programming Using Function Approximators Taylor & Francis CRC Press, 2010	4	Strelec, Martin; Berka, JanMicrogrid Energy Management based on Approximate Dynamic Programming2013 4TH IEEE/PES INNOVATIVE SMART GRID TECHNOLOGIES EUROPE (ISGT EUROPE)	2013	2013 4TH IEEE/PES INNOVATIVE SMART GRID TECHNOLOGIES EUROPE (ISGT EUROPE)	ISI	2
210	Buşoniu, L.; Babuška, R.; De Schutter, B. & Ernst, D. Reinforcement Learning and Dynamic Programming Using Function Approximators Taylor & Francis CRC Press, 2010	4	Ure, N. Kemal; Chowdhary, Girish; Chen, Yu Fan; Cutler, Mark; How, Jonathan P.; Vian, JohnDecentralized Learning-based Planning for Multiagent Missions in the Presence of Actuator Failures2013 INTERNATIONAL CONFERENCE ON UNMANNED AIRCRAFT SYSTEMS (ICUAS)	2013	2013 INTERNATIONAL CONFERENCE ON UNMANNED AIRCRAFT SYSTEMS (ICUAS)	ISI	2
211	Buşoniu, L.; Babuška, R.; De Schutter, B. & Ernst, D. Reinforcement Learning and Dynamic Programming Using Function Approximators Taylor & Francis CRC Press, 2010	4	De Hauwere, Yann-Michael; Van Moffaert, Kristof; Verhaegen, Paul-Armand; Nowe, AnnNetworks as a tool to save energy while keeping up general user comfort in buildings2013 19TH IEEE WORKSHOP ON LOCAL & METROPOLITAN AREA NETWORKS (LANMAN)	2013	2013 19TH IEEE WORKSHOP ON LOCAL & METROPOLITAN AREA NETWORKS (LANMAN)	ISI	2
212	Buşoniu, L.; Babuška, R.; De Schutter, B. & Ernst, D. Reinforcement Learning and Dynamic Programming Using Function Approximators Taylor & Francis CRC Press, 2010	4	Botev, Zdravko I.; Kroese, Dirk P.; Rubinstein, Reuven Y.; L'Ecuyer, PierreThe Cross-Entropy Method for OptimizationMACHINE LEARNING: THEORY AND APPLICATIONS, VOL 31	2013	MACHINE LEARNING: THEORY AND APPLICATIONS, VOL 31	ISI	2
213	Buşoniu, L.; Babuška, R.; De Schutter, B. & Ernst, D. Reinforcement Learning and Dynamic Programming Using Function Approximators Taylor & Francis CRC Press, 2010	4	Cruz, P.; Fierro, R.; Lu, W.; Ferrari, S.Maintaining Robust Connectivity in Heterogeneous Robotic NetworksUNMANNED SYSTEMS TECHNOLOGY XV	2013	UNMANNED SYSTEMS TECHNOLOGY XV	ISI	2
214	Buşoniu, L.; Babuška, R.; De Schutter, B. & Ernst, D. Reinforcement Learning and Dynamic Programming Using Function Approximators Taylor & Francis CRC Press, 2010	4	Bhasin, S.; Kamalapurkar, R.; Johnson, M.; Vamvoudakis, K. G.; Lewis, F. L.; Dixon, W. E.A novel actor-critic-identifier architecture for approximate optimal control of uncertain nonlinear systemsAUTOMATICA	2013	AUTOMATICA	ISI	2
215	Buşoniu, L.; Babuška, R.; De Schutter, B. & Ernst, D. Reinforcement Learning and Dynamic Programming Using Function Approximators Taylor & Francis CRC Press, 2010	4	Beck, C. L.; Srikant, R.Error bounds for constant step-size Q-learningSYSTEMS & CONTROL LETTERS	2012	SYSTEMS & CONTROL LETTERS	ISI	2
216	Buşoniu, L.; Babuška, R.; De Schutter, B. & Ernst, D. Reinforcement Learning and Dynamic Programming Using Function Approximators Taylor & Francis CRC Press, 2010	4	Lewis, Frank L.; Vrabie, Draguna; Vamvoudakis, Kyriakos G.Reinforcement Learning and Feedback Control USING NATURAL DECISION METHODS TO DESIGN OPTIMAL ADAPTIVE CONTROLLERSIEEE CONTROL SYSTEMS MAGAZINE	2012	IEEE CONTROL SYSTEMS MAGAZINE	ISI	2
217	Buşoniu, L.; Babuška, R.; De Schutter, B. & Ernst, D. Reinforcement Learning and Dynamic Programming Using Function Approximators Taylor & Francis CRC Press, 2010	4	Xu, Yinliang; Zhang, Wei; Liu, Wenxin; Ferrese, FrankMultiagent-Based Reinforcement Learning for Optimal Reactive Power DispatchIEEE TRANSACTIONS ON SYSTEMS MAN AND CYBERNETICS PART C-APPLICATIONS AND REVIEWS	2012	IEEE TRANSACTIONS ON SYSTEMS MAN AND CYBERNETICS PART C-APPLICATIONS AND REVIEWS	ISI	2
218	Buşoniu, L.; Babuška, R.; De Schutter, B. & Ernst, D. Reinforcement Learning and Dynamic Programming Using Function Approximators Taylor & Francis CRC Press, 2010	4	De Paula, Mariano; Martinez, Ernesto C.Optimal Operation of Discretely Controlled Continuous Systems under UncertaintyINDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH	2012	INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH	ISI	2
219	Buşoniu, L.; Babuška, R.; De Schutter, B. & Ernst, D. Reinforcement Learning and Dynamic Programming Using Function Approximators Taylor & Francis CRC Press, 2010	4	Rieker, Jeffrey D.; Labadie, John W.An intelligent agent for optimal river-reservoir system managementWATER RESOURCES RESEARCH	2012	WATER RESOURCES RESEARCH	ISI	2
220	Buşoniu, L.; Babuška, R.; De Schutter, B. & Ernst, D. Reinforcement Learning and Dynamic Programming Using Function Approximators Taylor & Francis CRC Press, 2010	4	Martinez-Bauset, Jorge; Gimenez-Guzman, Jose Manuel; Pla, VicentRobustness of optimal channel reservation using handover prediction in multiservice wireless networksWIRELESS NETWORKS	2012	WIRELESS NETWORKS	ISI	2
221	Buşoniu, L.; Babuška, R.; De Schutter, B. & Ernst, D. Reinforcement Learning and Dynamic Programming Using Function Approximators Taylor & Francis CRC Press, 2010	4	Xu, Hao; Jagannathan, S.; Lewis, F. L.Stochastic optimal control of unknown linear networked control system in the presence of random delays and packet lossesAUTOMATICA	2012	AUTOMATICA	ISI	2
222	Buşoniu, L.; Babuška, R.; De Schutter, B. & Ernst, D. Reinforcement Learning and Dynamic Programming Using Function Approximators Taylor & Francis CRC Press, 2010	4	Khan, Said G.; Herrmann, Guido; Lewis, Frank L.; Pipe, Tony; Melhuish, ChrisReinforcement learning and optimal adaptive control: An overview and implementation examplesANNUAL REVIEWS IN CONTROL	2012	ANNUAL REVIEWS IN CONTROL	ISI	2
223	Buşoniu, L.; Babuška, R.; De Schutter, B. & Ernst, D. Reinforcement Learning and Dynamic Programming Using Function Approximators Taylor & Francis CRC Press, 2010	4	Bertsekas, Dimitri P.; Yu, HuizhenQ-Learning and Enhanced Policy Iteration in Discounted Dynamic ProgrammingMATHEMATICS OF OPERATIONS RESEARCH	2012	MATHEMATICS OF OPERATIONS RESEARCH	ISI	2
224	Buşoniu, L.; Babuška, R.; De Schutter, B. & Ernst, D. Reinforcement Learning and Dynamic Programming Using Function Approximators Taylor & Francis CRC Press, 2010	4	Tolic, Domagoj; Fierro, Rafael; Ferrari, SilviaOptimal Self-Triggering for Nonlinear Systems via Approximate Dynamic Programming2012 IEEE INTERNATIONAL CONFERENCE ON CONTROL APPLICATIONS (CCA)	2012	2012 IEEE INTERNATIONAL CONFERENCE ON CONTROL APPLICATIONS (CCA)	ISI	2

225	Buşoniu, L.; Babuška, R.; De Schutter, B. & Ernst, D. Reinforcement Learning and Dynamic Programming Using Function Approximators Taylor & Francis CRC Press, 2010	4	Tziortziotis, Nikolaos; Blekas, KonstantinosA model-based reinforcement learning approach using on-line clustering2012 IEEE 24TH INTERNATIONAL CONFERENCE ON TOOLS WITH ARTIFICIAL INTELLIGENCE (ICTAI 2012), VOL 1	2012	2012 IEEE 24TH INTERNATIONAL CONFERENCE ON TOOLS WITH ARTIFICIAL INTELLIGENCE (ICTAI 2012), VOL 1	ISI	2
226	Buşoniu, L.; Babuška, R.; De Schutter, B. & Ernst, D. Reinforcement Learning and Dynamic Programming Using Function Approximators Taylor & Francis CRC Press, 2010	4	Mitra, Soumishila; Banerjee, Dhrubojyoti; Konar, Amit; Janarthanan, R.A New Algorithm to Track Dynamic Goal Position in Q-learning2012 12TH INTERNATIONAL CONFERENCE ON HYBRID INTELLIGENT SYSTEMS (HIS)	2012	2012 12TH INTERNATIONAL CONFERENCE ON HYBRID INTELLIGENT SYSTEMS (HIS)	ISI	2
227	Buşoniu, L.; Babuška, R.; De Schutter, B. & Ernst, D. Reinforcement Learning and Dynamic Programming Using Function Approximators Taylor & Francis CRC Press, 2010	4	Shao, Zhifei; Er, Meng Joo; Huang, Guang-BinReceding Horizon Cache and Extreme Learning Machine Based Reinforcement Learning2012 12TH INTERNATIONAL CONFERENCE ON CONTROL, AUTOMATION, ROBOTICS & VISION (ICARCV)	2012	2012 12TH INTERNATIONAL CONFERENCE ON CONTROL, AUTOMATION, ROBOTICS & VISION (ICARCV)	ISI	2
228	Buşoniu, L.; Babuška, R.; De Schutter, B. & Ernst, D. Reinforcement Learning and Dynamic Programming Using Function Approximators Taylor & Francis CRC Press, 2010	4	Claessens, B. J.; Vandael, S.; Ruelens, F.; Hommelberg, M.Self-learning Demand Side Management for a Heterogeneous Cluster of Devices with Binary Control Actions2012 3RD IEEE PES INNOVATIVE SMART GRID TECHNOLOGIES EUROPE (ISGT EUROPE)	2012	2012 3RD IEEE PES INNOVATIVE SMART GRID TECHNOLOGIES EUROPE (ISGT EUROPE)	ISI	2
229	Buşoniu, L.; Babuška, R.; De Schutter, B. & Ernst, D. Reinforcement Learning and Dynamic Programming Using Function Approximators Taylor & Francis CRC Press, 2010	4	Ruelens, Frederik; Vandael, Stijn; Leterme, Willem; Claessens, Bert J.; Hommelberg, Maarten; Holvoet, Tom; Belmans, RonnieDemand Side Management of Electric Vehicles with Uncertainty on Arrival and Departure Times2012 3RD IEEE PES INNOVATIVE SMART GRID TECHNOLOGIES EUROPE (ISGT EUROPE)	2012	2012 3RD IEEE PES INNOVATIVE SMART GRID TECHNOLOGIES EUROPE (ISGT EUROPE)	ISI	2
230	Buşoniu, L.; Babuška, R.; De Schutter, B. & Ernst, D. Reinforcement Learning and Dynamic Programming Using Function Approximators Taylor & Francis CRC Press, 2010	4	Rak, Andrzej; Gierusz, WitoldReinforcement Learning in Discrete and Continuous Domains Applied to Ship Trajectory GenerationPOLISH MARITIME RESEARCH	2012	POLISH MARITIME RESEARCH	ISI	2
231	Buşoniu, L.; Babuška, R.; De Schutter, B. & Ernst, D. Reinforcement Learning and Dynamic Programming Using Function Approximators Taylor & Francis CRC Press, 2010	4	Liu, Zhibin; Zeng, Xiaoqin; Liu, HuiyiModular Hierarchical Reinforcement Learning AlgorithmINTELLIGENT COMPUTING THEORIES AND APPLICATIONS, ICIC 2012	2012	INTELLIGENT COMPUTING THEORIES AND APPLICATIONS, ICIC 2012	ISI	2
232	Buşoniu, L.; Babuška, R.; De Schutter, B. & Ernst, D. Reinforcement Learning and Dynamic Programming Using Function Approximators Taylor & Francis CRC Press, 2010	4	Kazemi, Ramtin; Vesilo, Rein; Dutkiewicz, Eryk; Liu, Ren PingDesign Considerations of Reinforcement Learning Power Controllers in Wireless Body Area Networks2012 IEEE 23RD INTERNATIONAL SYMPOSIUM ON PERSONAL INDOOR AND MOBILE RADIO COMMUNICATIONS (PIMRC)	2012	2012 IEEE 23RD INTERNATIONAL SYMPOSIUM ON PERSONAL INDOOR AND MOBILE RADIO COMMUNICATIONS (PIMRC)	ISI	2
233	Buşoniu, L.; Babuška, R.; De Schutter, B. & Ernst, D. Reinforcement Learning and Dynamic Programming Using Function Approximators Taylor & Francis CRC Press, 2010	4	Redding, Joshua D.; Ure, N. Kemal; How, Jonathan P.; Vavrina, Matthew A.; Vian, JohnScalable, MDP-based Planning for Multiple, Cooperating Agents2012 AMERICAN CONTROL CONFERENCE (ACC)	2012	2012 AMERICAN CONTROL CONFERENCE (ACC)	ISI	2
234	Buşoniu, L.; Babuška, R.; De Schutter, B. & Ernst, D. Reinforcement Learning and Dynamic Programming Using Function Approximators Taylor & Francis CRC Press, 2010	4	Yasuda, Toshiyuki; Kage, Koki; Ohkura, KazuhiroRobust Reinforcement Learning Technique with Bigeminal Representation of Continuous State Space for Multi-Robot Systems2012 PROCEEDINGS OF SICE ANNUAL CONFERENCE (SICE)	2012	2012 PROCEEDINGS OF SICE ANNUAL CONFERENCE (SICE)	ISI	2
235	Buşoniu, L.; Babuška, R.; De Schutter, B. & Ernst, D. Reinforcement Learning and Dynamic Programming Using Function Approximators Taylor & Francis CRC Press, 2010	4	Lau, Tak Kit; Liu, Yun-huiStunt Driving via Policy Search2012 IEEE INTERNATIONAL CONFERENCE ON ROBOTICS AND AUTOMATION (ICRA)	2012	2012 IEEE INTERNATIONAL CONFERENCE ON ROBOTICS AND AUTOMATION (ICRA)	ISI	2
236	Buşoniu, L.; Babuška, R.; De Schutter, B. & Ernst, D. Reinforcement Learning and Dynamic Programming Using Function Approximators Taylor & Francis CRC Press, 2010	4	van Hasselt, HadoReinforcement Learning in Continuous State and Action SpacesREINFORCEMENT LEARNING: STATE-OF-THE-ART	2012	REINFORCEMENT LEARNING: STATE-OF-THE-ART	ISI	2
237	Buşoniu, L.; Babuška, R.; De Schutter, B. & Ernst, D. Reinforcement Learning and Dynamic Programming Using Function Approximators Taylor & Francis CRC Press, 2010	4	Kober, Jens; Peters, JanReinforcement Learning in Robotics: A SurveyREINFORCEMENT LEARNING: STATE-OF-THE-ART	2012	REINFORCEMENT LEARNING: STATE-OF-THE-ART	ISI	2
238	Buşoniu, L.; Babuška, R.; De Schutter, B. & Ernst, D. Reinforcement Learning and Dynamic Programming Using Function Approximators Taylor & Francis CRC Press, 2010	4	Lewis, FL; Vrabie, DL; Syrmos, VLOptimal Control, 3rd EditionOPTIMAL CONTROL, 3RD EDITION	2012	OPTIMAL CONTROL, 3RD EDITION	ISI	2
239	Buşoniu, L.; Babuška, R.; De Schutter, B. & Ernst, D. Reinforcement Learning and Dynamic Programming Using Function Approximators Taylor & Francis CRC Press, 2010	4	Jiang, Yu; Jiang, Zhong-PingApproximate Dynamic Programming for Optimal Stationary Control with Control-Dependent NoiseIEEE TRANSACTIONS ON NEURAL NETWORKS	2011	IEEE TRANSACTIONS ON NEURAL NETWORKS	ISI	2

A3. Recunoasterea si impactul activitatii

240	Buşoniu, L.; Babuška, R.; De Schutter, B. & Ernst, D. Reinforcement Learning and Dynamic Programming Using Function Approximators Taylor & Francis CRC Press, 2010	4	Kazemi, Ramtin; Vesilo, Rein; Dutkiewicz, Eryk; Liu, RenDynamic Power Control in Wireless Body Area Networks Using Reinforcement Learning With Approximation2011 IEEE 22ND INTERNATIONAL SYMPOSIUM ON PERSONAL INDOOR AND MOBILE RADIO COMMUNICATIONS (PIMRC)	2011	2011 IEEE 22ND INTERNATIONAL SYMPOSIUM ON PERSONAL INDOOR AND MOBILE RADIO COMMUNICATIONS (PIMRC)	ISI	2
241	Buşoniu, L.; Babuška, R.; De Schutter, B. & Ernst, D. Reinforcement Learning and Dynamic Programming Using Function Approximators Taylor & Francis CRC Press, 2010	4	Jiang, Yu; Jiang, Zhong-PingApproximate Dynamic Programming for Stochastic Systems with Additive and Multiplicative Noise2011 IEEE INTERNATIONAL SYMPOSIUM ON INTELLIGENT CONTROL (ISIC)	2011	2011 IEEE INTERNATIONAL SYMPOSIUM ON INTELLIGENT CONTROL (ISIC)	ISI	2
242	Buşoniu, L.; Babuška, R.; De Schutter, B. & Ernst, D. Reinforcement Learning and Dynamic Programming Using Function Approximators Taylor & Francis CRC Press, 2010	4	Pozna, Claudiu; Koczy, Laszlo T.; Precup, Radu-Emil; Minculete, Nicusor; Ballagi, AronA Cooperation Scenario for Multiagent SystemsIEEE AFRICON 2011	2011	IEEE AFRICON 2011	ISI	2
243	Buşoniu, L.; Babuška, R.; De Schutter, B. & Ernst, D. Reinforcement Learning and Dynamic Programming Using Function Approximators Taylor & Francis CRC Press, 2010	4	Goswami (Chakraborty), Indrani; Das, Pradipta Kumar; Konar, Amit; Janarthanan, R.Extended Q-Learning Algorithm for Path-Planning of a Mobile RobotSIMULATED EVOLUTION AND LEARNING	2010	SIMULATED EVOLUTION AND LEARNING	ISI	2
244	Experience Replay for Real-Time Reinforcement Learning Control. By: Adam, Sander; Busoniu, Lucian; Babuska, Robert IEEE TRANSACTIONS ON SYSTEMS MAN AND CYBERNETICS PART C-APPLICATIONS AND REVIEWS Volume: 42 Issue: 2 Pages: 201-212	3	Wawrzynski, PawelReinforcement Learning with Experience Replay for Model-Free Humanoid Walking OptimizationINTERNATIONAL JOURNAL OF HUMANOID ROBOTICS	2014	INTERNATIONAL JOURNAL OF HUMANOID ROBOTICS	ISI	2.6667
245	Experience Replay for Real-Time Reinforcement Learning Control. By: Adam, Sander; Busoniu, Lucian; Babuska, Robert IEEE TRANSACTIONS ON SYSTEMS MAN AND CYBERNETICS PART C-APPLICATIONS AND REVIEWS Volume: 42 Issue: 2 Pages: 201-212	3	Doltsinis, Stefanos; Ferreira, Pedro; Lohse, NielsAn MDP Model-Based Reinforcement Learning Approach for Production Station Ramp-Up Optimization: Q-Learning AnalysisIEEE TRANSACTIONS ON SYSTEMS MAN CYBERNETICS-SYSTEMS	2014	IEEE TRANSACTIONS ON SYSTEMS MAN CYBERNETICS-SYSTEMS	ISI	2.6667
246	Experience Replay for Real-Time Reinforcement Learning Control. By: Adam, Sander; Busoniu, Lucian; Babuska, Robert IEEE TRANSACTIONS ON SYSTEMS MAN AND CYBERNETICS PART C-APPLICATIONS AND REVIEWS Volume: 42 Issue: 2 Pages: 201-212	3	Liu, Derong; Li, Hongliang; Wang, DingOnline Synchronous Approximate Optimal Learning Algorithm for Multiplayer Nonzero-Sum Games With Unknown DynamicsIEEE TRANSACTIONS ON SYSTEMS MAN CYBERNETICS-SYSTEMS	2014	IEEE TRANSACTIONS ON SYSTEMS MAN CYBERNETICS-SYSTEMS	ISI	2.6667
247	Experience Replay for Real-Time Reinforcement Learning Control. By: Adam, Sander; Busoniu, Lucian; Babuska, Robert IEEE TRANSACTIONS ON SYSTEMS MAN AND CYBERNETICS PART C-APPLICATIONS AND REVIEWS Volume: 42 Issue: 2 Pages: 201-212	3	Wang, Jian; Xu, Xin; Liu, Daxue; Sun, Zhenping; Chen, QingyangSelf-Learning Cruise Control Using Kernel-Based Least Squares Policy IterationIEEE TRANSACTIONS ON CONTROL SYSTEMS TECHNOLOGY	2014	IEEE TRANSACTIONS ON CONTROL SYSTEMS TECHNOLOGY	ISI	2.6667
248	Experience Replay for Real-Time Reinforcement Learning Control. By: Adam, Sander; Busoniu, Lucian; Babuska, Robert IEEE TRANSACTIONS ON SYSTEMS MAN AND CYBERNETICS PART C-APPLICATIONS AND REVIEWS Volume: 42 Issue: 2 Pages: 201-212	3	Zhang, Juan; Jiang, Hong; Jiang, Hesong; Chen, ChunmeiEnergy-Efficient Policy Based on Cross-Layer Cooperation in Wireless CommunicationINTERNATIONAL JOURNAL OF DISTRIBUTED SENSOR NETWORKS	2014	INTERNATIONAL JOURNAL OF DISTRIBUTED SENSOR NETWORKS	ISI	2.6667
249	Experience Replay for Real-Time Reinforcement Learning Control. By: Adam, Sander; Busoniu, Lucian; Babuska, Robert IEEE TRANSACTIONS ON SYSTEMS MAN AND CYBERNETICS PART C-APPLICATIONS AND REVIEWS Volume: 42 Issue: 2 Pages: 201-212	3	Modares, Hamidreza; Lewis, Frank L.; Naghibi-Sistani, Mohammad-BagherIntegral reinforcement learning and experience replay for adaptive optimal control of partially-unknown constrained-input continuous-time systemsAUTOMATICA	2014	AUTOMATICA	ISI	2.6667
250	Experience Replay for Real-Time Reinforcement Learning Control. By: Adam, Sander; Busoniu, Lucian; Babuska, Robert IEEE TRANSACTIONS ON SYSTEMS MAN AND CYBERNETICS PART C-APPLICATIONS AND REVIEWS Volume: 42 Issue: 2 Pages: 201-212	3	Mahmoudi, Babak; Pohlmeyer, Eric A.; Prins, Noeline W.; Geng, Shijia; Sanchez, Justin C.Towards autonomous neuroprosthetic control using Hebbian reinforcement learningJOURNAL OF NEURAL ENGINEERING	2013	JOURNAL OF NEURAL ENGINEERING	ISI	2.6667
251	Experience Replay for Real-Time Reinforcement Learning Control. By: Adam, Sander; Busoniu, Lucian; Babuska, Robert IEEE TRANSACTIONS ON SYSTEMS MAN AND CYBERNETICS PART C-APPLICATIONS AND REVIEWS Volume: 42 Issue: 2 Pages: 201-212	3	Modares, Hamidreza; Lewis, Frank L.; Naghibi-Sistani, Mohammad-BagherAdaptive Optimal Control of Unknown Constrained-Input Systems Using Policy Iteration and Neural NetworksIEEE TRANSACTIONS ON NEURAL NETWORKS AND LEARNING SYSTEMS	2013	IEEE TRANSACTIONS ON NEURAL NETWORKS AND LEARNING SYSTEMS	ISI	2.6667
252	Experience Replay for Real-Time Reinforcement Learning Control. By: Adam, Sander; Busoniu, Lucian; Babuska, Robert IEEE TRANSACTIONS ON SYSTEMS MAN AND CYBERNETICS PART C-APPLICATIONS AND REVIEWS Volume: 42 Issue: 2 Pages: 201-212	3	Wawrzynski, Pawel; Tanwani, Ajay KumarAutonomous reinforcement learning with experience replayNEURAL NETWORKS	2013	NEURAL NETWORKS	ISI	2.6667

#	Publication	Cite #	Citing work	Year	Source	Index	Value
253	Experience Replay for Real-Time Reinforcement Learning Control. By: Adam, Sander; Busoniu, Lucian; Babuska, Robert IEEE TRANSACTIONS ON SYSTEMS MAN AND CYBERNETICS PART C-APPLICATIONS AND REVIEWS Volume: 42 Issue: 2 Pages: 201-212	3	Gordon, Sean W.Fuzzy Fitted Q2012 19TH INTERNATIONAL CONFERENCE MECHATRONICS AND MACHINE VISION IN PRACTICE (M2VIP)	2012	2012 19TH INTERNATIONAL CONFERENCE MECHATRONICS AND MACHINE VISION IN PRACTICE (M2VIP)	ISI	2.6667
254	Approximate dynamic programming with a fuzzy parameterization, By: Busoniu, Lucian; Ernst, Damien; De Schutter, Bart; et al.AUTOMATICA Volume: 46 Issue: 5 Pages: 804-814	4	Arruda, E. F.; Fragoso, M. D.Solving average cost Markov decision processes by means of a two-phase time aggregation algorithmEUROPEAN JOURNAL OF OPERATIONAL RESEARCH	2015	EUROPEAN JOURNAL OF OPERATIONAL RESEARCH	ISI	2
255	Approximate dynamic programming with a fuzzy parameterization, By: Busoniu, Lucian; Ernst, Damien; De Schutter, Bart; et al.AUTOMATICA Volume: 46 Issue: 5 Pages: 804-814	4	Lian, Chuanqiang; Xu, Xin; Zuo, Lei; Huang, ZhenhuaAdaptive critic design with graph Laplacian for online learning control of nonlinear systemsINTERNATIONAL JOURNAL OF ADAPTIVE CONTROL AND SIGNAL PROCESSING	2014	INTERNATIONAL JOURNAL OF ADAPTIVE CONTROL AND SIGNAL PROCESSING	ISI	2
256	Approximate dynamic programming with a fuzzy parameterization, By: Busoniu, Lucian; Ernst, Damien; De Schutter, Bart; et al.AUTOMATICA Volume: 46 Issue: 5 Pages: 804-814	4	Taherian, Nahid; Shiri, Mohammad EbrahimQ*-based state abstraction and knowledge discovery in reinforcement learningINTELLIGENT DATA ANALYSIS	2014	INTELLIGENT DATA ANALYSIS	ISI	2
257	Approximate dynamic programming with a fuzzy parameterization, By: Busoniu, Lucian; Ernst, Damien; De Schutter, Bart; et al.AUTOMATICA Volume: 46 Issue: 5 Pages: 804-814	4	Wei, Qinglai; Wang, Ding; Zhang, DehuaDual iterative adaptive dynamic programming for a class of discrete-time nonlinear systems with time-delaysNEURAL COMPUTING & APPLICATIONS	2013	NEURAL COMPUTING & APPLICATIONS	ISI	2
258	Approximate dynamic programming with a fuzzy parameterization, By: Busoniu, Lucian; Ernst, Damien; De Schutter, Bart; et al.AUTOMATICA Volume: 46 Issue: 5 Pages: 804-814	4	Gao, Jinggui; Wang, Lei; Feng, Enmin; Xiu, ZhilongModeling and identification of microbial batch fermentation using fuzzy expert systemAPPLIED MATHEMATICAL MODELLING	2013	APPLIED MATHEMATICAL MODELLING	ISI	2
259	Approximate dynamic programming with a fuzzy parameterization, By: Busoniu, Lucian; Ernst, Damien; De Schutter, Bart; et al.AUTOMATICA Volume: 46 Issue: 5 Pages: 804-814	4	Bus, Lucian; Morarescu, Irinel-ConstantinA General Approach for Consensus Using Optimistic Planning2013 AMERICAN CONTROL CONFERENCE (ACC)	2013	2013 AMERICAN CONTROL CONFERENCE (ACC)	ISI	2
260	Approximate dynamic programming with a fuzzy parameterization, By: Busoniu, Lucian; Ernst, Damien; De Schutter, Bart; et al.AUTOMATICA Volume: 46 Issue: 5 Pages: 804-814	4	Arruda, Edilson F.; Fragoso, Marcelo D.A Two-Phase Time Aggregation Algorithm for Average Cost Markov Decision Processes2012 AMERICAN CONTROL CONFERENCE (ACC)	2012	2012 AMERICAN CONTROL CONFERENCE (ACC)	ISI	2
261	A Survey of Actor-Critic Reinforcement Learning: Standard and Natural Policy Gradients. By: Grondman, Ivo; Busoniu, Lucian; Lopes, Gabriel A. D.; et al. IEEE TRANSACTIONS ON SYSTEMS MAN AND CYBERNETICS PART C-APPLICATIONS AND REVIEWS Volume: 42 Issue: 6 Pages: 1291-1307	4	Schmidhuber, JuergenDeep learning in neural networks: An overviewNEURAL NETWORKS	0	NEURAL NETWORKS	ISI	2
262	A Survey of Actor-Critic Reinforcement Learning: Standard and Natural Policy Gradients. By: Grondman, Ivo; Busoniu, Lucian; Lopes, Gabriel A. D.; et al. IEEE TRANSACTIONS ON SYSTEMS MAN AND CYBERNETICS PART C-APPLICATIONS AND REVIEWS Volume: 42 Issue: 6 Pages: 1291-1307	4	OXFORD1879-2782	0		0 ISI	2
263	A Survey of Actor-Critic Reinforcement Learning: Standard and Natural Policy Gradients. By: Grondman, Ivo; Busoniu, Lucian; Lopes, Gabriel A. D.; et al. IEEE TRANSACTIONS ON SYSTEMS MAN AND CYBERNETICS PART C-APPLICATIONS AND REVIEWS Volume: 42 Issue: 6 Pages: 1291-1307	4	Piray, Payam; Zeighami, Yashar; Bahrami, Fariba; Eissa, Abeer M.; Hewedi, Doaa H.; Moustafa, Ahmed A.Impulse Control Disorders in Parkinson's Disease Are Associated with Dysfunction in Stimulus Valuation But Not Action ValuationJOURNAL OF NEUROSCIENCE	2014	JOURNAL OF NEUROSCIENCE	ISI	2
264	A Survey of Actor-Critic Reinforcement Learning: Standard and Natural Policy Gradients. By: Grondman, Ivo; Busoniu, Lucian; Lopes, Gabriel A. D.; et al. IEEE TRANSACTIONS ON SYSTEMS MAN AND CYBERNETICS PART C-APPLICATIONS AND REVIEWS Volume: 42 Issue: 6 Pages: 1291-1307	4	Luo, Biao; Wu, Huai-Ning; Li, Han-XiongData-based Suboptimal Neuro-control Design with Reinforcement Learning for Dissipative Spatially Distributed ProcessesINDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH	2014	INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH	ISI	2
265	A Survey of Actor-Critic Reinforcement Learning: Standard and Natural Policy Gradients. By: Grondman, Ivo; Busoniu, Lucian; Lopes, Gabriel A. D.; et al. IEEE TRANSACTIONS ON SYSTEMS MAN AND CYBERNETICS PART C-APPLICATIONS AND REVIEWS Volume: 42 Issue: 6 Pages: 1291-1307	4	Li, Rongpeng; Zhao, Zhifeng; Chen, Xianfu; Palicot, Jacques; Zhang, HonggangTACT: A Transfer Actor-Critic Learning Framework for Energy Saving in Cellular Radio Access NetworksIEEE TRANSACTIONS ON WIRELESS COMMUNICATIONS	2014	IEEE TRANSACTIONS ON WIRELESS COMMUNICATIONS	ISI	2
266	Cross-Entropy Optimization of Control Policies With Adaptive Basis Functions. By: Busoniu, Lucian; Ernst, Damien; De Schutter, Bart; et al. IEEE TRANSACTIONS ON SYSTEMS MAN AND CYBERNETICS PART B-CYBERNETICS Volume: 41 Issue: 1 Pages: 196-209	4	Escandell-Montero, Pablo; Martinez-Martinez, Jose M.; Martin-Guerrero, Jose D.; Soria-Olivas, Emilio; Gomez-Sanchis, JuanLeast-squares temporal difference learning based on an extreme learning machineNEUROCOMPUTING	2014	NEUROCOMPUTING	ISI	2

A3. Recunoasterea si impactul activitatii

267	Cross-Entropy Optimization of Control Policies With Adaptive Basis Functions. By: Busoniu, Lucian; Ernst, Damien; De Schutter, Bart; et al. IEEE TRANSACTIONS ON SYSTEMS MAN AND CYBERNETICS PART B-CYBERNETICS Volume: 41 Issue: 1 Pages: 196-209	4	Giuliani, M.; Herman, J. D.; Castelletti, A.; Reed, P.Many-objective reservoir policy identification and refinement to reduce policy inertia and myopia in water managementWATER RESOURCES RESEARCH	2014	WATER RESOURCES RESEARCH	ISI	2
268	Cross-Entropy Optimization of Control Policies With Adaptive Basis Functions. By: Busoniu, Lucian; Ernst, Damien; De Schutter, Bart; et al. IEEE TRANSACTIONS ON SYSTEMS MAN AND CYBERNETICS PART B-CYBERNETICS Volume: 41 Issue: 1 Pages: 196-209	4	Xu, ZHesitant Fuzzy Sets TheoryHESITANT FUZZY SETS THEORY	2014	HESITANT FUZZY SETS THEORY	ISI	2
269	Cross-Entropy Optimization of Control Policies With Adaptive Basis Functions. By: Busoniu, Lucian; Ernst, Damien; De Schutter, Bart; et al. IEEE TRANSACTIONS ON SYSTEMS MAN AND CYBERNETICS PART B-CYBERNETICS Volume: 41 Issue: 1 Pages: 196-209	4	Selvan, S. Easter; Subathra, M. S. P.; Christinal, A. Hepzibah; Amato, UmbertoOn the benefits of Laplace samples in solving a rare event problem using cross-entropy methodAPPLIED MATHEMATICS AND COMPUTATION	2013	APPLIED MATHEMATICS AND COMPUTATION	ISI	2
270	Cross-Entropy Optimization of Control Policies With Adaptive Basis Functions. By: Busoniu, Lucian; Ernst, Damien; De Schutter, Bart; et al. IEEE TRANSACTIONS ON SYSTEMS MAN AND CYBERNETICS PART B-CYBERNETICS Volume: 41 Issue: 1 Pages: 196-209	4	Lee, Dong-Hyun; Lee, Ju-JangIncremental Receptive Field Weighted Actor-CriticIEEE TRANSACTIONS ON INDUSTRIAL INFORMATICS	2013	IEEE TRANSACTIONS ON INDUSTRIAL INFORMATICS	ISI	2
271	Cross-Entropy Optimization of Control Policies With Adaptive Basis Functions. By: Busoniu, Lucian; Ernst, Damien; De Schutter, Bart; et al. IEEE TRANSACTIONS ON SYSTEMS MAN AND CYBERNETICS PART B-CYBERNETICS Volume: 41 Issue: 1 Pages: 196-209	4	Xu, Zeshui; Xia, MeimeiHesitant fuzzy entropy and cross-entropy and their use in multiattribute decision-makingINTERNATIONAL JOURNAL OF INTELLIGENT SYSTEMS	2012	INTERNATIONAL JOURNAL OF INTELLIGENT SYSTEMS	ISI	2
272	Continuous-state reinforcement learning with fuzzy approximation By: Busoniu, Lucian; Ernst, Damien; De Schutter, Bart; et al. Edited by: Tuyls, K; Nowe, A; Guessoum, Z; et al. Conference: 7th European Symposium on Adaptive Agents and Multi-Agent Systems Location: Maastricht, NETHERLANDS Date: 2007 ADAPTIVE AGENTS AND MULTI-AGENT SYSTEMS Book Series: LECTURE NOTES IN ARTIFICIAL INTELLIGENCE Volume: 4865 Pages: 27-43	4	van Hasselt, HadoReinforcement Learning in Continuous State and Action SpacesREINFORCEMENT LEARNING: STATE-OF-THE-ART	2012	REINFORCEMENT LEARNING: STATE-OF-THE-ART	ISI	2
273	Continuous-state reinforcement learning with fuzzy approximation By: Busoniu, Lucian; Ernst, Damien; De Schutter, Bart; et al. Edited by: Tuyls, K; Nowe, A; Guessoum, Z; et al. Conference: 7th European Symposium on Adaptive Agents and Multi-Agent Systems Location: Maastricht, NETHERLANDS Date: 2007 ADAPTIVE AGENTS AND MULTI-AGENT SYSTEMS Book Series: LECTURE NOTES IN ARTIFICIAL INTELLIGENCE Volume: 4865 Pages: 27-43	4	Lee, Dong-Hyun; Park, In-Won; Kim, Jong-HwanQ-learning using Fuzzified States and Weighted Actions and Its Application to Omni-direnctional Mobile Robot ControlIEEE INTERNATIONAL SYMPOSIUM ON COMPUTATIONAL INTELLIGENCE IN ROBOTICS AND AUTOMATION	2009	IEEE INTERNATIONAL SYMPOSIUM ON COMPUTATIONAL INTELLIGENCE IN ROBOTICS AND AUTOMATION	ISI	2
274	Buşoniu, L.; Babuška, R.; De Schutter, B. & Ernst, D. Reinforcement Learning and Dynamic Programming Using Function Approximators Taylor & Francis CRC Press, 2010	4	Tziortziotis, Nikolaos; Dimitrakakis, Christos; Blekas, KonstantinosCover Tree Bayesian Reinforcement LearningJOURNAL OF MACHINE LEARNING RESEARCH	2014	JOURNAL OF MACHINE LEARNING RESEARCH	ISI	2
275	Online least-squares policy iteration for reinforcement learning control. By: Busoniu, Lucian; Ernst, Damien; De Schutter, Bart; et al. 2010 AMERICAN CONTROL CONFERENCE Book Series: Proceedings of the American Control Conference Pages: 486-49	4	Cruz, P.; Fierro, R.; Lu, W.; Ferrari, S.Maintaining Robust Connectivity in Heterogeneous Robotic NetworksUNMANNED SYSTEMS TECHNOLOGY XV	2013	UNMANNED SYSTEMS TECHNOLOGY XV	ISI	2
276	Online least-squares policy iteration for reinforcement learning control. By: Busoniu, Lucian; Ernst, Damien; De Schutter, Bart; et al. 2010 AMERICAN CONTROL CONFERENCE Book Series: Proceedings of the American Control Conference Pages: 486-49	4	Trimpe, Sebastian; D'Andrea, RaffaelloThe Balancing Cube A DYNAMIC SCULPTURE AS TEST BED FOR DISTRIBUTED ESTIMATION AND CONTROLIEEE CONTROL SYSTEMS MAGAZINE	2012	IEEE CONTROL SYSTEMS MAGAZINE	ISI	2

277	Online least-squares policy iteration for reinforcement learning control. By: Busoniu, Lucian; Ernst, Damien; De Schutter, Bart; et al. 2010 AMERICAN CONTROL CONFERENCE Book Series: Proceedings of the American Control Conference Pages: 486-49	4	Khan, Said G.; Herrmann, Guido; Lewis, Frank L.; Pipe, Tony; Melhuish, ChrisReinforcement learning and optimal adaptive control: An overview and implementation examplesANNUAL REVIEWS IN CONTROL	2012	ANNUAL REVIEWS IN CONTROL	ISI	2
278	Online least-squares policy iteration for reinforcement learning control. By: Busoniu, Lucian; Ernst, Damien; De Schutter, Bart; et al. 2010 AMERICAN CONTROL CONFERENCE Book Series: Proceedings of the American Control Conference Pages: 486-49	4	Tziortziotis, Nikolaos; Blekas, KonstantinosA model-based reinforcement learning approach using on-line clustering2012 IEEE 24TH INTERNATIONAL CONFERENCE ON TOOLS WITH ARTIFICIAL INTELLIGENCE (ICTAI 2012), VOL 1	2012	2012 IEEE 24TH INTERNATIONAL CONFERENCE ON TOOLS WITH ARTIFICIAL INTELLIGENCE (ICTAI 2012), VOL 1	ISI	2
TOTAL (citari ISI, carti)		**276**				**664.67**
TOTAL (citari, BDI)		**0**				**0.00**
TOTAL (citari)		**276**				**664.67**

A3.3. Membru in colectivele de redactie sau comitete stiintifice al revistelor, organizator de manifestari stiintifice, internationale indexate ISI	**Anul**	**Revista / manifestarea stiintifica**	**ISI / BDI / neindexata**	**Punctaj**
Co-chair IEEE Symposium on Adaptive Dynamic Programming and Reinforcement Learning	2015	2014 IEEE Symposium on Adaptive Dynamic Programming and Reinforcement Learning	ISI	10
Co-chair IEEE Symposium on Adaptive Dynamic Programming and Reinforcement Learning	2014	2014 IEEE Symposium on Adaptive Dynamic Programming and Reinforcement Learning	ISI	10
Special session on Online planning, 2013 IEEE Symposium on Adaptive Dynamic Programming and Reinforcement Learning, Singapore	2013	2013 IEEE Symposium on Adaptive Dynamic Programming and Reinforcement Learning, Singapore	ISI	10
Special session on Active reinforcement learning, 2011 IEEE Symposium on Adaptive Dynamic Programming and Reinforcement Learning, Paris, France	2011	2011 IEEE Symposium on Adaptive Dynamic Programming and Reinforcement Learning, Paris, France	BDI	6
Co-organizer of workshop Optimal Adaptive Control: Online Solutions for Optimal Feedback Control and Differential Games Using Reinforcement Learning, 50th IEEE Conference on Decision and Control and European Control Conference, Orlando, Florida, US.	2011	50th IEEE Conference on Decision and Control and European Control Conference, Orlando, Florida, US.	ISI	10
Membru in Program Committee	2013	2013 IEEE Symposium on Adaptive Dynamic Programming and Reinforcement Learning, Singapore	BDI	6
Membru in Program Committee	2011	2011 IEEE Symposium on Adaptive Dynamic Programming and Reinforcement Learning, Paris, France	BDI	6
Membru in Program Committee	2014	2014 IEEE International Conference on Automation, Quality and Testing, Robotics	BDI	6
Membru in Program Committee	2012	2012 IEEE International Conference on Automation, Quality and Testing, Robotics	BDI	6
Membru in Program Committee	2011	2011 International Joint Conference on Autonomous Agents and Multiagent Systems	BDI	6
Membru in Program Committee	2011	2011 IEEE International Conference on Emerging Technologies and Factory Automation	BDI	6
Membru in Program Committee	2010	2010 IEEE International Conference on Automation, Quality and Testing, Robotics, Cluj-Napoca, Romania	BDI	6
Co-chair IEEE Symposium on Adaptive Dynamic Programming and Reinforcement Learning	2015	2015 IEEE Symposium on Adaptive Dynamic Programming and Reinforcement Learning	ISI	10
TOTAL (ISI)				**50**
TOTAL (BDI)				**48**
TOTAL (colective de redactie)				**98**

A3.2. Prezentari invitate in plenul unor manifestari stiintifice nationale si internationale si Profesor invitat	**Anul**	**Manifestarea stiintifica / Institutia pt Profesor invitat**	**Internationala/nationala**	**Punctaj**
Reinforcement Learning for Control, invited tutorial at the 2010 IEEE International Conference on Automation, Quality and Testing, Robotics, Cluj, Romania	2010	2010 IEEE International Conference on Automation, Quality and Testing, Robotics, Cluj, Romania	International	10
Invited talk within workshop on Intelligent Planning and Control: Bringing Together Adaptive Control and Reinforcement Learning for Guaranteeing Optimal Performance and Robustness, 2013 IEEE Conference on Decision and Control, Florence, Italy.	2011	2013 IEEE Conference on Decision and Control, Florence, Italy.	International	10
Profesor invitat Universitatea din Valenciennes, Franta	2014	Universitatea din Valenciennes, Franta	International	10
Cercetator invitat la INRIA Lille, Franta	2011	INRIA, Lille, Franta	International	10
Cercetator invitat la Supelec Rennes, Franta	2007	Supelec Rennes, Franta	International	10

A3. Recunoasterea si impactul activitatii

Cercetator invitat la LORIA, Nancy, Franta	2011 LORIA, Nancy, Franta	International	10
Cercetator invitat la Systems and Modeling group, University of Liege, Belgium	2010 Systems and Modeling group, University of Liege, Belgium	International	10
Cercetator invitat, CRAN, Nancy, France	2012 CRAN, Nancy, Franta	International	10
Cercetator invitat, CRAN, Nancy, France, septembrie 2014	2014 CRAN, Nancy, Franta	International	10
Cercetator invitat, IIT, Genova, Italia	2014 IIT, Genova, Italia	International	10
TOTAL (National)			**0**
TOTAL (International)			**100**
TOTAL (invitatii)			**100**

A3.4.Premii in domeniu	Anul	Premiu primit pentru:	International / National	Punctaj
2009 Andrew P. Sage Award for the best paper published annually in the IEEE Transactions on Systems, Man and Cybernetics. Received for the paper ``A Comprehensive Survey of Multi-Agent Reinforcement Learning''.	2009	Articol ``A Comprehensive Survey of Multi-Agent Reinforcement Learning''. IEEE Transactions on Systems, Man, and Cybernetics---Part C: Application and Reviews, vol. 38, no. 2, pages 156--172, 2008.	International	15
Best presentation in session, 2004 IEEE International Conference on Automation, Quality and Testing, Robotics	2004	Lucrarile: (1) Miclea, Busoniu, Enyedi, ``Implementation of a Multiagent DBIST/Distributed Testing Solution'', (2) Busoniu, Miclea, Enyedi,``An Abstract Load-Balancing Architecture for Large Scale Multi-Agent Systems''	National	5
Premiu PRECISI	2013	Articol "Grondman, I.; Buşoniu, L.; Lopes, G. & Babuška, R. A Survey of Actor-Critic Reinforcement Learning: Standard and Natural Policy Gradients, 2012, IEEE Transactions on Systems Man and Cybernetics Part B-Cybernetics 42, 1291-1307"	National	5
Premiu PRECISI	2013	Articol "Grondman, I.; Vaandrager, M.; Buşoniu, L.; Babuška, R. & Schuitema, E. Efficient Model-Learning Methods for Actor-Critic Control, 2011, IEEE Transactions on Systems, Man, and Cybernetics. Part B: Cybernetics 42, 591-602"	National	5
Premiu PRECISI	2014	Articol "Consensus for black-box nonlinear agents using optimistic optimization", L. Busoniu, C. Morarescu, Automatica 2014	National	5

TOTAL (premii internationale)	**15**
TOTAL (premii nationale)	**20**
TOTAL (premii)	**35**