یاسمن سادات میرمحمد
9431022

تکلیف شماره ی 2

روش پژوهش و ارائه

موضوع : یادگیری تقویتی در رباتیک

شرح تکلیف:

یافتن و پالایش منابع

یاسمن سادات میرمحمد
9431022

پاییز 96

معیارهای خود را با معیارهای زیر اعتبار سنجی کرده و در نهایت، منابع را اولویت بندی کنید و لیستی اولویت بندی شده از منابع با استاندارد IEEE.تهیه نمایید

- **impact factor**
- **# of citations**
- **h index**

یاسمن سادات میرمحمد
9431022

Main Source:

***** [1] J Kober, JA Bagnell, J Peters ," Reinforcement learning in robotics: A survey",
The International Journal of Robotics Research, vol. 32, pp. 1238-1274, September 2013

Reinforcement learning in robotics: A survey [PDF] from cmu.edu

Authors	Jens Kober, J Andrew Bagnell, Jan Peters
Publication date	2013/9
Journal	The International Journal of Robotics Research
Volume	32
Issue	11
Pages	1238-1274
Publisher	SAGE Publications
Description	Reinforcement learning offers to robotics a framework and set of tools for the design of sophisticated and hard-to-engineer behaviors. Conversely, the challenges of robotic problems provide both inspiration, impact, and validation for developments in reinforcement learning. The relationship between disciplines has sufficient promise to be likened to that between physics and mathematics. In this article, we attempt to strengthen the links between the two research communities by providing a survey of work in reinforcement learning for ...
Total citations	Cited by 411

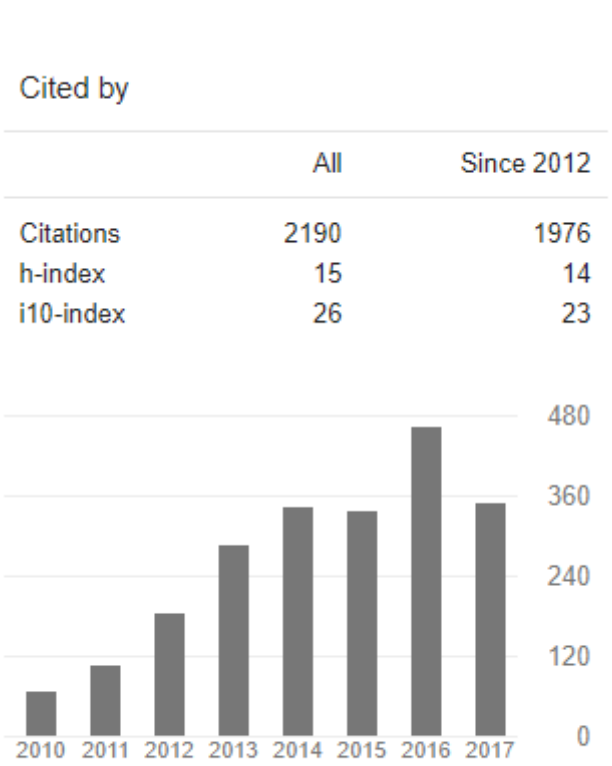
Scholar articles Reinforcement learning in robotics: A survey
J Kober, JA Bagnell, J Peters - The International Journal of Robotics Research, 2013
Cited by 411 Related articles All 15 versions

:

یاسمن سادات میرمحمد
9431022

About Authors:

Jens Kober



Since January 2015 Jens Kober is an assistant professor at **TU Delft, Netherlands**. He is member of the **Cognitive Robotics department (CoR)**, the **TU Delft Robotics Institute**, and **RoboValley**. Before joining CoR he was member of the **Delft Center for Systems and Control (DCSC)**. He worked as a postdoctoral scholar jointly at the **CoR-Lab, Bielefeld University, Germany** and at the **Honda Research Institute Europe, Germany**.

Jens has graduated in Spring 2012 with Doctor of Engineering from the **Intelligent Autonomous Systems Group, Technische Universität Darmstadt**. His Ph.D. thesis has won the 2013 Georges Giralt PhD Award as the best Robotics PhD thesis in Europe in 2012.

Jens joined the Max-Planck Institute for Biological Cybernetics in 2007 as a Master's Student in the Robot Learning Lab (part of the Department of **Bernhard Schölkopf**) working with **Jan Peters** and stayed on as a Ph.D. student. From 2011 to 2012, he was a member of the Max-Planck Institute for Intelligent Systems as his lab had moved there. Before doing so, he studied at the University of Stuttgart and at the Ecole Centrale Paris (ECP).

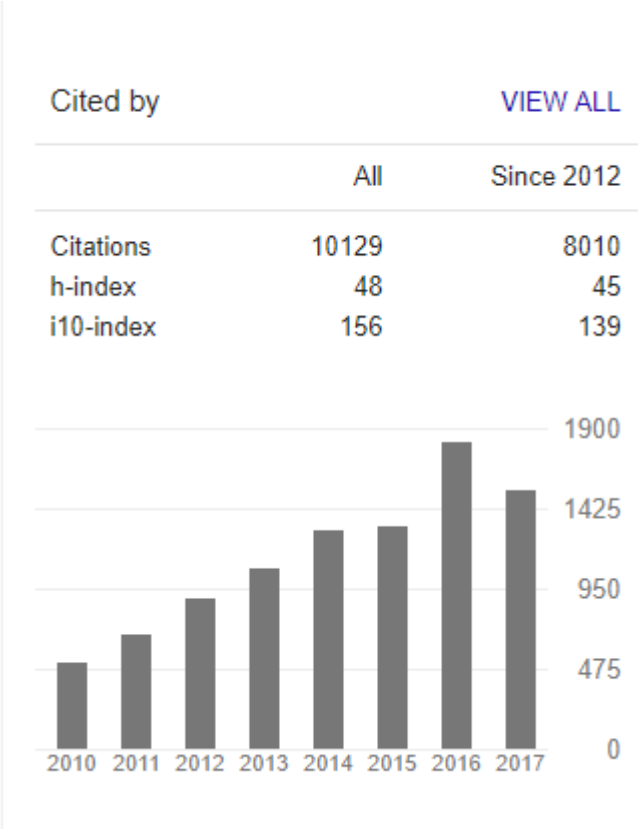
He has been a visiting research student at the **Advanced Telecommunication Research (ATR) Center, Japan** and an intern at **Disney Research Pittsburgh, USA**.

For more information visit:

- http://www.jenskober.de/

یاسمن سادات میرمحمد
9431022

Jan Peters



About:

Jan Peters graduated from the University of Hagen in 2000 with a Diplom-Informatiker (German M.Sc. in Computer Science) with a focus on artificial intelligence and from Munich University of Technology (TU Muenchen) in 2001 with a Diplom-Ingenieur Elektrotechnik (German M.Eng. in Electrical Engineering), majoring in automation & control. In 2000-2001, he spent two semesters as visiting student at National University of Singapore. Subsequently, he moved to University of Southern California (USC) where he completed another M.Sc. in Computer Science with a focus on Machine Learning and a M.Sc. in Aerospace and Mechanical Engineering with a major in nonlinear dynamics. During his studies, Jan Peters has been a visiting research student at the Department of Robotics at the German Aerospace Research Center in Germany, at Siemens Advanced Engineering in Singapore and at the Department of Humanoid Robotics and Computational Neuroscience at the Advanced Telecommunication Research (ATR) Center in Japan.

For more information visit:

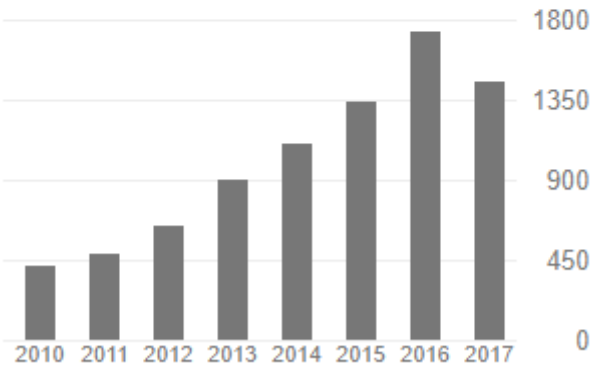
- http://www.jan-peters.net/

یاسمن سادات میرمحمد
9431022

J. Andrew Bagnell

- Carnegie Mellon University

Cited by		VIEW ALL
	All	Since 2012
Citations	8871	7227
h-index	45	40
i10-index	110	101



For more information:

- http://robotwhisperer.org/

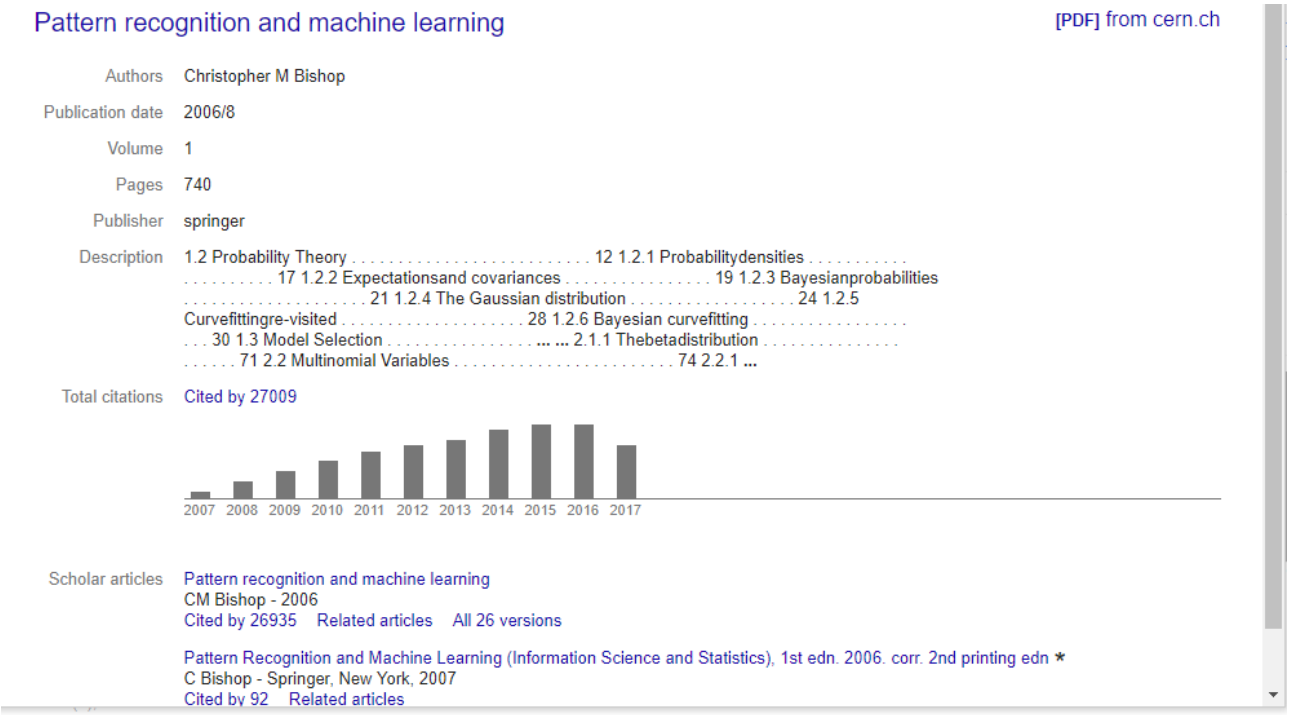
یاسمن سادات میرمحمد
9431022

سایر منابع :

*[2]Christopher. M Bishop, “ Pattern Recognition and Machine Learning” (Information Science and Statistics),1st ed, New York, Springer , August 2006

The Book:

- http://users.isr.ist.utl.pt/~wurmd/Livros/school/Bishop%20-%20Pattern%20Recognition%20And%20Machine%20Learning%20-%20Springer%20%202006.pdf



Pattern recognition and machine learning [PDF] from cern.ch

Authors Christopher M Bishop
Publication date 2006/8
Volume 1
Pages 740
Publisher springer
Description 1.2 Probability Theory . . . . . 12 1.2.1 Probabilitydensities . . . . . 17 1.2.2 Expectationsand covariances . . . . . 19 1.2.3 Bayesianprobabilities . . . . . 21 1.2.4 The Gaussian distribution . . . . . 24 1.2.5 Curvefittingre-visited . . . . . 28 1.2.6 Bayesian curvefitting . . . . . 30 1.3 Model Selection . . . . 2.1.1 Thebetadistribution . . . . . 71 2.2 Multinomial Variables . . . . . 74 2.2.1 ...
Total citations Cited by 27009

2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017

Scholar articles Pattern recognition and machine learning
CM Bishop - 2006
Cited by 26935 Related articles All 26 versions

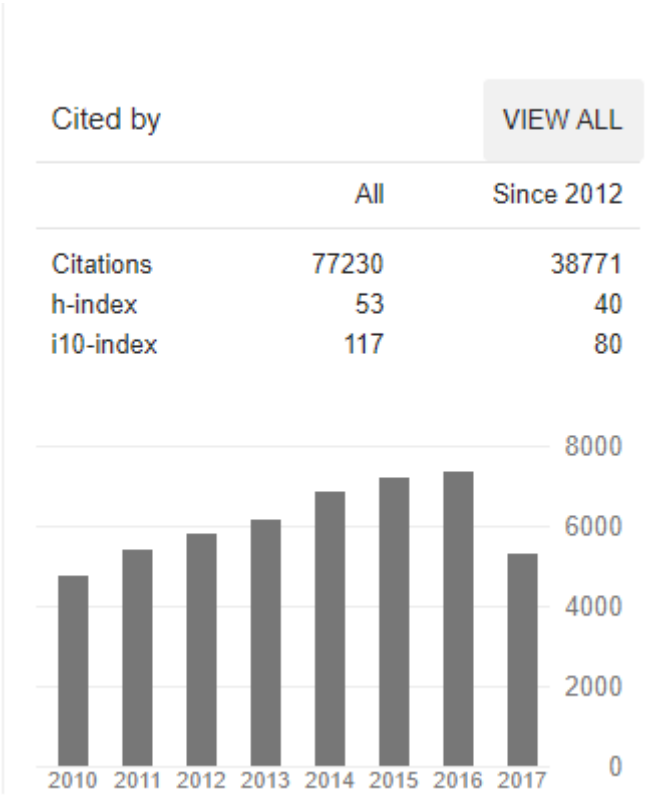
Pattern Recognition and Machine Learning (Information Science and Statistics), 1st edn. 2006. corr. 2nd printing edn *
C Bishop - Springer, New York, 2007
Cited by 92 Related articles

About Author:

Chris Bishop is a Microsoft Technical Fellow and the Laboratory Director at Microsoft Research Cambridge. He is also Professor of Computer Science at the University of Edinburgh, and a Fellow of Darwin College, Cambridge. In 2004, he was elected Fellow of the Royal Academy of Engineering, in 2007 he was elected Fellow of the Royal Society of Edinburgh and in 2017 he was elected as a Fellow of the Royal Society. Chris obtained a BA in Physics from Oxford, and a PhD in Theoretical Physics from the University of Edinburgh, with a thesis on quantum field theory. He then joined Culham Laboratory where he worked on the theory of magnetically confined plasmas as part of the European controlled fusion programme.

From there, he developed an interest in pattern recognition, and became Head of the Applied Neurocomputing Centre at AEA Technology. He was subsequently elected to a Chair in the Department of Computer Science and Applied Mathematics at Aston University, where he led the Neural Computing Research Group. Chris then took a sabbatical during which time he was principal organiser of the six month international research programme on Neural Networks and Machine Learning at the Isaac Newton Institute for Mathematical Sciences in Cambridge, which ran in 1997.

یاسمن سادات میرمحمد
9431022



More information On:

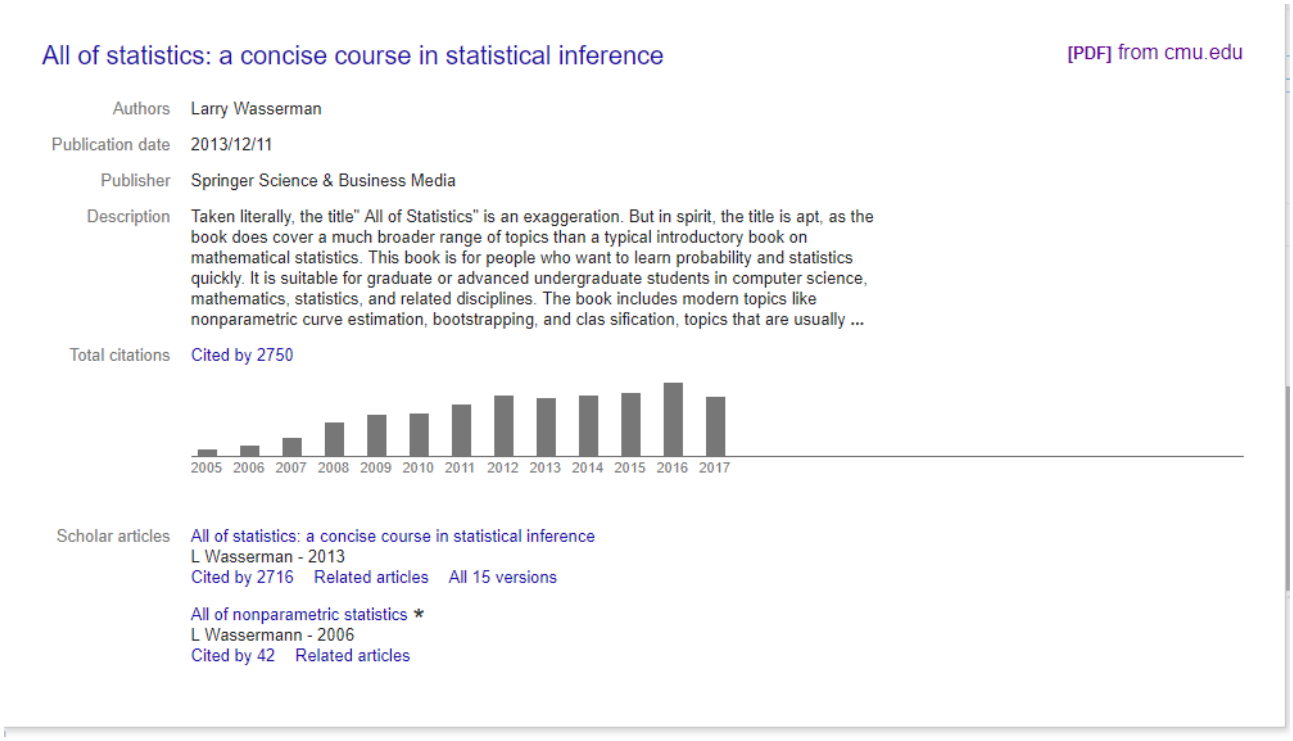
- https://www.microsoft.com/en-us/research/people/cmbishop/?from=http%3A%2F%2Fresearch.microsoft.com%2Fen-us%2Fum%2Fpeople%2Fcmbishop%2F

یاسمن سادات میرمحمد
9431022

*[3]Larry Wasserman, “All of Statistics”(A Concise Course in Statistical Inference) , Springer Science & Business Media, December 2013

The book:

- http://www.ic.unicamp.br/~wainer/cursos/1s2013/ml/livro.pdf



About the author:

Larry A. Wasserman is a Canadian statistician and a professor in the Department of Statistics and the Machine Learning Department at Carnegie Mellon University.

Wasserman received his PhD from the University of Toronto in 1988.

He received the COPSS Presidents' Award in 1999 and the CRM-SSC Prize in 2002.

He was elected a fellow of the American Statistical Association in 1996, of the Institute of Mathematical Statistics in 2004,[1] and of the American Association for the Advancement of Science in 2011. He was elected to National Academy of Science in May, 2016.

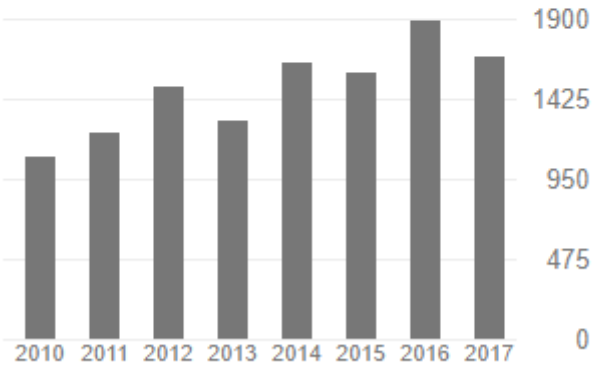
source:wilipedia

For more information:

- http://www.stat.cmu.edu/~larry/

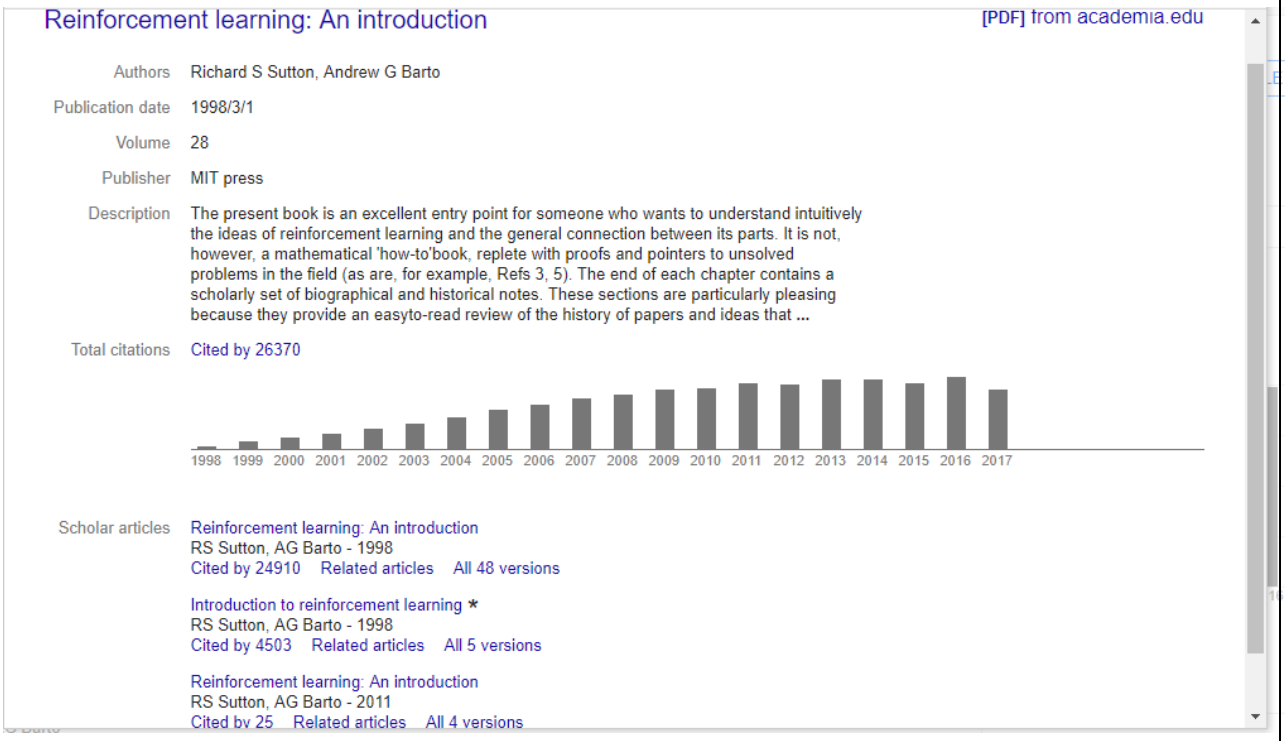
یاسمن سادات میرمحمد
9431022

Cited by		VIEW ALL
	All	Since 2012
Citations	19052	9646
h-index	60	44
i10-index	180	135



یاسمن سادات میرمحمد
9431022

*[4] Richard S. Sutton, J.Andrew Barto , “Reinforcement learning: An introduction”, US, MIT press , March 1998



Reinforcement learning: An introduction [PDF] from academia.edu

Authors Richard S Sutton, Andrew G Barto

Publication date 1998/3/1

Volume 28

Publisher MIT press

Description The present book is an excellent entry point for someone who wants to understand intuitively the ideas of reinforcement learning and the general connection between its parts. It is not, however, a mathematical 'how-to'book, replete with proofs and pointers to unsolved problems in the field (as are, for example, Refs 3, 5). The end of each chapter contains a scholarly set of biographical and historical notes. These sections are particularly pleasing because they provide an easyto-read review of the history of papers and ideas that ...

Total citations Cited by 26370

1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017

Scholar articles Reinforcement learning: An introduction
RS Sutton, AG Barto - 1998
Cited by 24910 Related articles All 48 versions

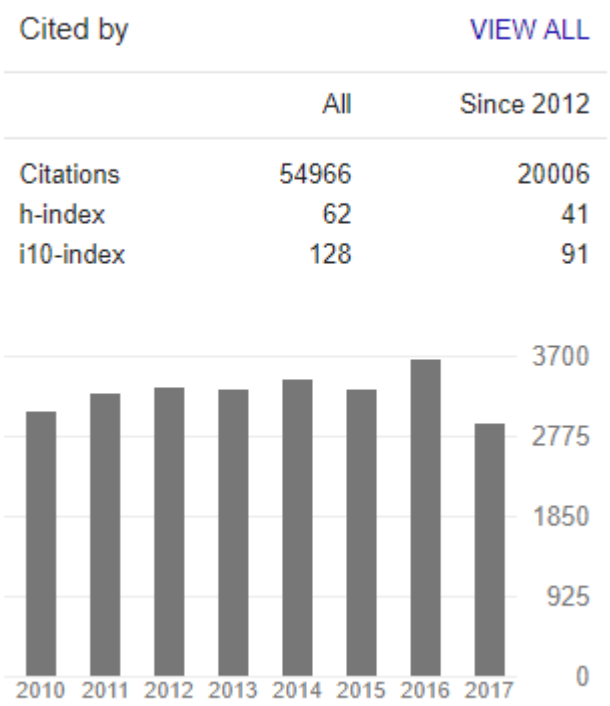
Introduction to reinforcement learning *
RS Sutton, AG Barto - 1998
Cited by 4503 Related articles All 5 versions

Reinforcement learning: An introduction
RS Sutton, AG Barto - 2011
Cited by 25 Related articles All 4 versions

یاسمن سادات میرمحمد
9431022

About the Authors:

- Richard S. Sutton



Richard S. Sutton is a Canadian computer scientist. Currently he is professor of Computer Science and iCORE chair at the University of Alberta. Dr. Sutton is considered one of the founding fathers of modern computational reinforcement learning, having several significant contributions to the field, including temporal difference learning, policy gradient methods, the Dyna architecture.

More:

- http://www.incompleteideas.net/sutton/

- Andrew G Barto

Andrew G. Barto (born c. 1948) is a professor of computer science at University of Massachusetts Amherst, and chair of the department since January 2007.
His main research area is reinforcement learning.
Barto is a Fellow of the American Association for the Advancement of Science, a Fellow and Senior Member of the IEEE, and a member of the American Association for Artificial Intelligence and the Society for Neuroscience. He received the 2004 IEEE Neural Networks Society Pioneer Award for contributions to the field of reinforcement learning
Source:wikipedia

More:

- http://www-all.cs.umass.edu/~barto/

یاسمن سادات میرمحمد
9431022

منبع مورد استفاده جهت پالایش منابع براساس مشخصه های اشاره شده:

- https://scholar.google.com/schhp?hl=en
- https://www.ieee.org/index.html

اولویت منابع:

[4]
[3]
[2]
[1]
بر اساس:
#H_index

[4]
[2]
[3]
[1]
بر اساس:
#Citation