# IJCAI-20论文整理

本篇整理以IJCAI-20正式录用的592篇论文为数据，整理出多智能体系统和强化学习两个方向的相关论文。

若某篇论文同属于这两个方向，则归属于多智能体系统一类。若第一作者的单位是国内学术机构，则将论文相关信息标红。(论文来源：<https://www.ijcai.org/Proceedings/2020/>)

IJCAI-20正式录用的592篇论文分为以下几个Main track：

1. Agent-based and Multi-agent Systems
2. AI Ethics
3. Computer Vision
4. Constraints and SAT
5. Data Mining
6. Humans and AI
7. Knowledge Representation and Reasoning
8. Machine Learning
9. Machine Learning Applications
10. Natural Language Processing
11. Multidisciplinary Topics and Applications
12. Uncertainty in AI

其中多智能体系统部分(Multi-agent system)收集了：

1. 所有Main track为**Agent-based and Multi-agent Systems**的共59篇文章(1-59)
2. 部分Main track为**Machine Learning**的共5篇文章(60-64)。
3. 部分Main track为**Machine Learning Applications**的共2篇文章(65-66)

其中强化学习部分(Reinforce Learning)收集了：

1. 部分Main track为**Machine Learning**的共27篇文章(1-27)
2. 部分Main track为**Machine Learning Applications**的共3篇文章(28-30)

## 多智能体系统(Multi-agent system)

1. Saba Ahmadi, Faez Ahmed, John P. Dickerson, Mark Fuge, Samir Khuller, An Algorithm for Multi-Attribute Diverse Matching, Proceedings of the 29th International Joint Conference on Artificial Intelligence (IJCAI-2020), pages 3-9, Yokohama, Japan, 2020.

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1. Yuan Yao, Natasha Alechina, Brian Logan, John Thangarajah, Intention Progression under Uncertainty, Proceedings of the 29th International Joint Conference on Artificial Intelligence (IJCAI-2020), pages 10-16, Yokohama, Japan, 2020.

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1. Tahar Allouche, Bruno Escoffier, Stefano Moretti, Meltem Öztürk, Social Ranking Manipulability for the CP-Majority, Banzhaf and Lexicographic Excellence Solutions, Proceedings of the 29th International Joint Conference on Artificial Intelligence (IJCAI-2020), pages 17-23, Yokohama, Japan, 2020.

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1. Georgios Amanatidis, Georgios Birmpas, Aris Filos-Ratsikas, Alexandros Hollender, Alexandros A. Voudouris, Maximum Nash Welfare and Other Stories About EFX, Proceedings of the 29th International Joint Conference on Artificial Intelligence (IJCAI-2020), pages 24-30, Yokohama, Japan, 2020.

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1. Yanchen Deng, Bo An, Speeding Up Incomplete GDL-based Algorithms for Multi-agent Optimization with Dense Local Utilities, Proceedings of the 29th International Joint Conference on Artificial Intelligence (IJCAI-2020), pages 31-38, Yokohama, Japan, 2020.

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1. Siddharth Barman, Ranjani G. Sundaram, Uniform Welfare Guarantees Under Identical Subadditive Valuations, Proceedings of the 29th International Joint Conference on Artificial Intelligence (IJCAI-2020), pages 46-52, Yokohama, Japan, 2020.

论文链接：<https://www.ijcai.org/Proceedings/2020/0007.pdf>

1. Aris Anagnostopoulos, Luca Becchetti, Emilio Cruciani, Francesco Pasquale, Sara Rizzo, Biased Opinion Dynamics: When the Devil is in the Details, Proceedings of the 29th International Joint Conference on Artificial Intelligence (IJCAI-2020), pages 53-59, Yokohama, Japan, 2020.

论文链接：<https://www.ijcai.org/Proceedings/2020/0008.pdf>

1. Nagat Drawel, Jamal Bentahar, Amine Laarej, Gaith Rjoub, Formalizing Group and Propagated Trust in Multi-Agent Systems, Proceedings of the 29th International Joint Conference on Artificial Intelligence (IJCAI-2020), pages 60-66, Yokohama, Japan, 2020.

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1. Niclas Boehmer, Robert Bredereck, Dušan Knop, Junjie Luo, Fine-Grained View on Bribery for Group Identification, Proceedings of the 29th International Joint Conference on Artificial Intelligence (IJCAI-2020), pages 67-73, Yokohama, Japan, 2020.

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1. Ioannis Caragiannis, Christos Kaklamanis, Nikos Karanikolas, George A. Krimpas, Evaluating Approval-Based Multiwinner Voting in Terms of Robustness to Noise, Proceedings of the 29th International Joint Conference on Artificial Intelligence (IJCAI-2020), pages 74-80, Yokohama, Japan, 2020.

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1. Niclas Boehmer, Edith Elkind, Stable Roommate Problem with Diversity Preferences, Proceedings of the 29th International Joint Conference on Artificial Intelligence (IJCAI-2020), pages 96-102, Yokohama, Japan, 2020.

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1. Rupert Freeman, Anson Kahng, David M. Pennock, Proportionality in Approval-Based Elections With a Variable Number of Winners, Proceedings of the 29th International Joint Conference on Artificial Intelligence (IJCAI-2020), pages 132-138, Yokohama, Japan, 2020.

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1. Jiehua Chen, Robert Ganian, Thekla Hamm, Stable Matchings with Diversity Constraints: Affirmative Action is beyond NP, Proceedings of the 29th International Joint Conference on Artificial Intelligence (IJCAI-2020), pages 146-152, Yokohama, Japan, 2020.

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## 强化学习(Reinforcement Learning)

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