

RL in Robotics

- **CURL Contrastive Unsupervised Representations for Reinforcement Learning** [[arXiv 2020](#)] *Aravind Srinivas, Michael Laskin, Pieter Abbeel* ([arXiv](#)) ([pdf](#)) (Citation: 797)
- **Image Augmentation Is All You Need Regularizing Deep Reinforcement Learning from Pixels** [[arXiv 2020](#)] *Ilya Kostrikov, Denis Yarats, Rob Fergus* ([arXiv](#)) ([pdf](#)) (Citation: 294)
- **Plume Tracing via Model-Free Reinforcement Learning** ^{**}[[IEEE Transactions on Neural Networks and Learning Systems 2019](#)]^{**}*Hangkai Hu, et al.* ([ITNL](#))([pdf](#))(Citation: 48)
- **Recurrent Model-Free RL Can Be a Strong Baseline for Many POMDPs** [[ICML 2022](#)] *Tianwei Ni, Benjamin Eysenbach, Ruslan Salakhutdinov* ([arXiv](#)) ([pdf](#)) (Citation: 26)
- **Review of Deep Reinforcement Learning for Robot Manipulation** ^{**}[[IRC 2019](#)]^{**}*Hai Nguuyen, Hung La*([IEEE](#))([pdf](#))
- **RRL Resnet as representation for Reinforcement Learning** [[ICML 2021](#)] *Rutav Shah, Vikash Kumar* ([arXiv](#)) ([pdf](#)) (Citation: 57)
- **S4RL Surprisingly Simple Self-Supervision for Offline Reinforcement Learning** [[arXiv 2021](#)] *Samarth Sinha, Ajay Mandlekar, Animesh Garg* ([arXiv](#)) ([pdf](#)) (Citation: 68)

Vision-based Navigation in RL

- **Target-driven Visual Navigation in Indoor Scenes using Deep Reinforcement Learning** [[ICRA 2016](#)] *Yuke Zhu, Roozbeh Mottaghi, Eric Kolve, Joseph J. Lim, Abhinav Gupta, Li Fei-Fei, Ali Farhadi* ([arXiv](#)) ([pdf](#)) (Citation: 1610)
- **Virtual-to-real Deep Reinforcement Learning Continuous Control of Mobile Robots for Mapless Navigation** [[arXiv 2017](#)] *Lei Tai, Giuseppe Paolo, Ming Liu* ([arXiv](#)) ([pdf](#)) (Citation: 685)

Vision Encoder + RL

- **VIP Towards Universal Visual Reward and Representation via Value-Implicit Pre-Training** [[ICLR 2023](#)] *Yecheng Jason Ma, Shagun Sodhani, Dinesh Jayaraman, Osbert Bastani, Vikash Kumar, Amy Zhang* ([arXiv](#)) ([pdf](#)) (Citation: 43)