

RL Algorithms

Transformer Based RL

- **Decision Transformer Reinforcement Learning via Sequence Modeling** [[arXiv 2021](#)] *Lili Chen, Kevin Lu, Aravind Rajeswaran, Kimin Lee, Aditya Grover, Michael Laskin, Pieter Abbeel, Aravind Srinivas, Igor Mordatch* ([arXiv](#)) ([pdf](#)) (Citation: 686)

Deep RL Algorithms

- **Addressing Function Approximation Error in Actor-Critic Methods** [[ICML 2018](#)] *Scott Fujimoto, Herke van Hoof, David Meger* ([arXiv](#)) ([pdf](#)) (Citation: 3945)
- **Continuous control with deep reinforcement learning** [[arXiv 2015](#)] *Timothy P. Lillicrap, Jonathan J. Hunt, Alexander Pritzel, Nicolas Heess, Tom Erez, Yuval Tassa, David Silver, Daan Wierstra* ([arXiv](#)) ([pdf](#)) (Citation: 13311)
- **Deterministic Policy Gradient Algorithms** [[ICML 2014](#)] *Silver David, et al.* ([ICML](#)) ([pdf](#)) (Citation: 4244)
- **Domain Adaptation for Reinforcement Learning on the Atari** [[arXiv 2018](#)] *Thomas Carr, Maria Chli, George Vogiatzis* ([arXiv](#)) ([pdf](#)) (Citation: 28)
- **Memory-based control with recurrent neural networks** [[NIPS 2015](#)] *Nicolas Heess, Jonathan J Hunt, Timothy P Lillicrap, David Silver* ([arXiv](#)) ([pdf](#)) (Citation: 309)
- **Memory-based Deep Reinforcement Learning for POMDPs** [[arXiv 2021](#)] *Lingheng Meng, Rob Gorbet, Dana Kulić* ([arXiv](#)) ([pdf](#)) (Citation: 53)
- **Muesli Combining Improvements in Policy Optimization** [[arXiv 2021](#)] *Matteo Hessel, Ivo Danihelka, Fabio Viola, Arthur Guez, Simon Schmitt, Laurent Sifre, Theophane Weber, David Silver, Hado van Hasselt* ([arXiv](#)) ([pdf](#)) (Citation: 58)
- **Rainbow Combining Improvements in Deep Reinforcement Learning** [[AAAI 2018](#)] *Matteo Hessel, Joseph Modayil, Hado van Hasselt, Tom Schaul, Georg Ostrovski, Will Dabney, Dan Horgan, Bilal Piot, Mohammad Azar, David Silver* ([arXiv](#)) ([pdf](#)) (Citation: 2154)
- **Deep Recurrent Q-Learning for Partially Observable MDPs** [[arXiv 2015](#)] *Matthew Hausknecht, Peter Stone* ([arXiv](#)) ([pdf](#)) (Citation: 1886)
- **Recurrent Experience Replay in Distributed Reinforcement Learning**** [[ICLR 2018](#)]** *Steven Kapturowski, Georg Ostrovski, Will Dabney, John Quan, Rémi Munos* ([OpenReview](#)) ([pdf](#))
- **Revisiting Fundamentals of Experience Replay** [[ICML 2020](#)] *William Fedus, Prajit Ramachandran, Rishabh Agarwal, Yoshua Bengio, Hugo Larochelle, Mark Rowland, Will Dabney* ([arXiv](#)) ([pdf](#)) (Citation: 185)
- **Soft Actor-Critic Off-Policy Maximum Entropy Deep Reinforcement Learning with a Stochastic Actor** [[ICML 2018](#)] *Tuomas Haarnoja, Aurick Zhou, Pieter Abbeel, Sergey Levine* ([arXiv](#)) ([pdf](#)) (Citation: 6088)