S.No	Country/ Year/ Institute	Title of the paper	Author/ Medium of Publication
Path Following Methods Based on RL			
1	China – 2019 – Wuhan UT	A knowledge-free path planning approach for smart ships based on reinforcement learning Methodology : **Tabular Q-learning**	Chen Chen ***Journal of Ocean Engineering***
2	China – 2020 – Wuhan UT	A composite learning method for multi-ship collision avoidance based on reinforcement learning and inverse control Methodology : **A3C, LSTM & Q-learning**	Shuo Xie ***Journal of Ocean Engineering***
3	China – 2015 - Dalian Maritime University	Adaptive neural path-following control for under actuated ships in fields of marine practice Methodology : **Neural Network-Adaptive Control**	Guoqing Zhang ***IEEE conference***
4	Japan – 2020 – National Maritime Research Institute	Automatic ship collision avoidance using deep reinforcement learning with LSTM in continuous action spaces Methodology : **LSTM – Proximal Policy Optimization(PPO)**	Ryohei Sawada **Journal of Marine Science and Technology**
5	South Korea – 2019 – Seoul National University	Control method for path following and collision avoidance of autonomous ship based on deep reinforcement learning Methodology : **FFNN – Proximal Policy Optimization(PPO)**	Zhao Luman **Journal of Marine Science and Technology**
6	France - 2021 - PSL Research University	Ship path planning based on Deep Reinforcement Learning and weather forecast Methodology : **FFNN – Proximal Policy Optimization(PPO2)**	Eva ARTUSI ***IEEE conference***
7	Norway – 2018 - NTNU	Straight-Path Following for Under actuated Marine Vessels using Deep Reinforcement Learning Methodology : **DDPG**	Andreas B.Martinsen ***IFAC Conference***
8	Norway – 2020 - NTNU	Reinforcement Learning-Based Tracking Control of USVs in Varying Operational Conditions Methodology : **Actor-Critic**	Andreas B.Martinsen ***Frontier in Robotics and AI***
Other Citations in Journal paper			
9	India – 2021 - IITM	A unified ship manoeuvring model with a nonlinear model predictive controller for path following in regular waves Methodology : **NMPC**	R. Sandeepkumar ***Journal of Ocean Engineering***
10	India – 2021- IITM	A unified seakeeping and manoeuvring model with a pid controller for path following of a kvlcc2 tanker in regular wave Methodology : **PID**	Paramesh S ***Journal of Applied Ocean Research***
11	Portugal – 2006-IST	Path following control system for a tanker ship model Methodology : **PID**	Lucia Moreira ***Journal of Ocean Engineering***