Paper Links:

- Deep Reinforcement Learning for Autonomous Traffic Light Control - https://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=8492537
- Smart Traffic Light System Using Machine Learning - https://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=8603041
- Virtual Traffic Lights - https://arxiv.org/pdf/1807.01633.pdf
- Adaptive Quasi-Dynamic Traffic Light Control - https://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=7229317
- Traffic Signal Timing via Deep Reinforcement Learning - https://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=7508798
- IntelliLight: A Reinnforcement Learning Approach for Intelligent Traffic Light Control - https://www.researchgate.net/publication/326504263_IntelliLight_A_Reinforcement_Learning_Approach_for_Intelligent_Traffic_Light_Control
- Self-organizing Traffic Lights: A Realistic Simulation - https://arxiv.org/pdf/nlin/0610040.pdf
- Dynamic Allocation of Traffic Light Plans as a Traffic Reduction Strategy - https://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=8643139
- Combining Deep Q-Networks and Double Q-Learning to Minimize Car Delay at Traffic Lights - http://cs230.stanford.edu/projects_winter_2021/reports/70765188.pdf
- Multi-intersections Traffic Signal Intelligent Control Using Collaborative Q-learning algorithm - https://ieeexplore.ieee.org/document/6022063
- Smart Traffic Light System to Control Traffic Congestion - https://www.researchgate.net/publication/348805113_Smart_Traffic_Light_System_to_Control_Traffic_Congestion_PJAEE_17_9_2020_Smart_Traffic_Light_System_to_Control_Traffic_Congestion

Infolinks:

- https://en.wikipedia.org/wiki/Traffic_light_control_and_coordination
- http://midimagic.sgc-hosting.com/progreso.htm
- https://www.youtube.com/watch?v=b-9vBtwrBwM (basic info on how traffic lights work and state of the art technologies)
- https://etrr.springeropen.com/articles/10.1186/s12544-020-00439-1 (Very comprehensive article about the state of the art)

- https://github.com/AndreaVidali/Deep-QLearning-Agent-for-Traffic-Signal-Control (Github link to deep q-learning approach in python)

Research Questions:

- Applicability of state of the art Machine Learning Approaches for smart traffic lights in increasingly complex traffic light grids
- Expanding AI based smart traffic lights to smart traffic networks^
- Expanding state of the art machine learning approaches for smart traffic lights in single intersections to traffic light grids