**Organized Literature**

**Themes and Categorization**

**Evolutionary Algorithms:**

1. Neural Network Guided Evolutionary Fuzzing for Finding Traffic Violations of Autonomous Vehicles
   * Focus: Uses evolutionary algorithms to find traffic violations and improve safety in autonomous vehicles.
   * Source: [arXiv](https://arxiv.org/abs/2109.06126)
2. Evolutionary Neural Networks for Deep Learning: A Review
   * Focus: Discusses evolutionary algorithms combined with neural networks for deep learning applications.
   * Source: [Springer](https://link.springer.com/article/10.1007/s00521-019-04183-0)

**Simulation Environments:**

1. Neural Network Guided Evolutionary Fuzzing for Finding Traffic Violations of Autonomous Vehicles
   * Focus: Utilizes high-fidelity simulation environments to test autonomous vehicle controllers.
   * Source: [arXiv](https://arxiv.org/abs/2109.06126)
2. Autonomous Vehicles: Evolution of Artificial Intelligence and Learning Algorithms
   * Focus: Details the stages of AI model training and deployment, including the use of simulation environments for testing.
   * Source: [arXiv](https://arxiv.org/abs/2402.17690)

**Neural Network Optimization:**

1. Evolutionary Neural Networks for Deep Learning: A Review
   * Focus: Explores optimization of neural networks using evolutionary algorithms.
   * Source: [Springer](https://link.springer.com/article/10.1007/s00521-019-04183-0)
2. Deviation Sequence Neural Network Control for Path Tracking of Autonomous Vehicles
   * Focus: Uses neural network control to improve path tracking in autonomous vehicles.
   * Source: [MDPI](https://www.mdpi.com/)

**Autonomous Driving Applications:**

1. Path Planning and Collision Avoidance for Autonomous Surface Vehicles
   * Focus: Applies evolutionary algorithms for path planning and collision avoidance.
   * Source: [Springer](https://link.springer.com/article/10.1007/s11036-018-1201-2)
2. Autonomous Vehicles: Evolution of Artificial Intelligence and Learning Algorithms
   * Focus: Discusses AI integration in autonomous vehicles, including ethical considerations and security.
   * Source: [arXiv](https://arxiv.org/abs/2402.17690)