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## **Publication List (\*Equal Contribution)**

### **Journal Articles**

- L. Zhang, K. Cai, Y. Zhang, Z. Bing, C. Wang, F. Wu, S. Haddadin, and A. Knoll, "Estimated informed anytime search for sampling-based planning via adaptive sampler," *IEEE Transactions on Automation Science and Engineering (T-ASE)*, vol. 22, pp. 18580–18593, 2025, [JCR Q1, IF: 6.4]. ODI: 10.1109/TASE.2025.3590084.
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- L. Zhang, K. Cai, Z. Bing, C. Wang, and A. Knoll, "Genetic informed trees (GIT\*): Path planning via reinforced genetic programming heuristics," *Biomimetic Intelligence and Robotics*, vol. 5, no. 3, p. 100 237, 2025, [JCR Q1, IF: 5.5], ISSN: 2667-3797. ODDI: 10.1016/j.birob.2025.100237.
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#### **Conference Proceedings**

**L. Zhang**, K. Chen, K. Cai, Y. Zhang, Y. Dang, Y. Wu, Z. Bing, F. Wu, S. Haddadin, and A. Knoll, "Direction informed trees (DIT\*): Optimal path planning via direction filter and direction cost heuristic," in 2025 IEEE International Conference on Robotics and Automation (ICRA), 2025, pp. 1766–1772. ODI: 10.1109/ICRA55743.2025.11127725.

- L. Zhang, Y. Wei, K. Cai, Z. Bing, Y. Meng, F. Wu, S. Haddadin, and A. Knoll, "CIT\*: Context-based biased batch-sampling for almost-surely asymptotically optimal motion planning," in 2025 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS) Accepted, 2025.
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