	OVERALL PPC	SPECIFIC PPC TASK OR INDUSTRY
2020	Socio-cyber-physical perspective on Manufacturing Networks (Frazzon et al, 2020) ML Applied in PPC in 14.0 (Cadavid et al. 2020)	Scheduling in Cloud Manufacturing Systems (Halty et al. 2020) Production Scheduling in 14.0 (Parente et al. 2020) Nesting and Scheduling Problems for Additive Manufacturing (Oh et al. 2020) ML in Additive Manufacturing (Wang et al. 2020) Securing IT/OT Links for Low Power ItoT Devices in 14.0 (Mantravadi et al. 2020)
2021	Key Factor of Operational Performance in Manufacturing Systems (Battesini et al. 2021)	Decision-Making Framework for Dynamic Scheduling of CPS base DT (Villalonga et al. 2021) Relating Big Data Analytics to Supply Chain Planning (Xu et al. 2021) RL Based Intelligent Optimization for Manufacturing Scheduling (Wang et al. 2021) Production Planning and Scheduling in Multi-Factory Production (Lohmer et al. 2021)
2022	Towards Smart PPC (Rahmani et al. 2022) PPC Approaches under I4.0 (Herrmann et al. 2022)	Organizational tensions in I4.0 Implementation (Dieste et al. 2022) Knowledge Mapping of DT and Physical Internet in SCM (Nguyen et al. 2022) Reliability of RL Production Scheduling Systems (Waubert de Puiseau et al. 2022) Scheduling Challenges Towards Smart Manufacturing (Workneh et al. 2022) Scheduling Challenges Towards (Panzer et al. 2022) ML for Zero-Touch Management in Heterogeneous Industrial Networks (Friesen et al. 2022) Production Scheduling in I4.0 (Prashar et al. 2022)
2023	PPC in 14.0 Environments (Prashar et al. 2023) 14.0 and Smart Manufacturing (Hassan et al. 2023) Production Planning in 14.0 (Luo et al. 2023)	Digital Technology for Sustainability (Abdulghani et al. 2023) Enabling 14.0 Technology for Lean Manufacturing by Fuzzy-AHP (Chaudhary et al. 2023) Human Factors and Ergonomics Between 14.0 and Operational Excellence (Virmani et al. 2023) Barrier Management 4.0 on Indian Pharmaceutical Supply Chain (Agrawal et al. 2023) ML und DL in Semiconductor Industry (Huang et al. 2023) Digital Human Models in Assembly Process Planning (Yin et al. 2023) Digital Human Models in Assembly Process Planning (Yin et al. 2023) Digital Human Models in (Agrawal et al. 2023) Digital Human Models in (Sasembly Process Planning (Yin et al. 2023) Digital Human Models in (Sasembly Process Planning (Yin et al. 2023) Digital Human Models in (Sasembly Process Planning (Yin et al. 2023) Digital Human Models in (Sasembly Process Planning (Yin et al. 2023) Intelligent Scheduling in MES for 14.0 (Shakeri et al. 2023) Intelligent Scheduling in MES for 14.0 (Shakeri et al. 2023) Al Applications thorugh Lifecycle of Industrial Equipment (Elahi et al. 2023)
2024	Advanced Manufacturing through AI (Rakholia et al. 2024) Computer-based PPC (Nwasuka et al. 2024)	Logistics 4.0 (Roshid et al. 2024) DRL for Dynamic Scheulding for Resilient and Sustainable Manufacturing (Zhang et al. 2024) Al in SCM (Culot et al. 2024) Al in SCM (Culot et al. 2024) Al in SCM (Culot et al. 2024) Mork-in-Process Prediction with NN in Semiconductor Packaging (Wu et al. 2024) Work-in-Process Proceasting for Industrial Manufacturing Systems (Fatima et al. 2024) Time-Series Forecasting for Industrial Manufacturing Systems (Fatima et al. 2024) NLP and LLM for PPC of SMEs in 4.0 (Mathieu et al. 2024) Scientific Workflow Scheduling (Vivas et al. 2024) Scientific Workflow Scheduling in 4.0 (Ghasemi et al. 2024) Business Process Automation in Sin Lanka (Ahamed et al. 2024) Simulation Optimization Production Scheduling in 4.0 (Ghasemi et al. 2024)
2025		ML in Additive Manufacturing (inayathullah et al. 2025)

Fig. A.1. Overview of the 51 reviews on Production Planning and Control in the Context of Industry 4.0 and at least minor focus on accompanying challenges of the past 5 years.