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## Modular Design Optimization using Machine Learning-based Flexibility Analysis

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13	Challenges and Opportunities to Enhance Flexibility in Design and Operation of Chemical Processes. <i>Chemie-Ingenieur-Technik</i> , <b>2020</b> , 92, 1887-1897	0.8	6
12	A framework for supply chain optimization for modular manufacturing with production feasibility analysis. <i>Computers and Chemical Engineering</i> , <b>2021</b> , 145, 107175	4	10
11	A novel adaptive sampling based methodology for feasible region identification of compute intensive models using artificial neural network. <i>AIChE Journal</i> , <b>2021</b> , 67, e17095	3.6	2
10	Operability and control in process intensification and modular design: Challenges and opportunities. <i>AIChE Journal</i> , <b>2021</b> , 67, e17204	3.6	10
9	Modular supply chain optimization considering demand uncertainty to manage risk. <i>AIChE Journal</i> , <b>2021</b> , 67, e17367	3.6	2
8	Multiobjective Modular Biorefinery Configuration under Uncertainty. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2021</b> , 60, 12956-12969	3.9	3
7	Developing new products with kernel partial least squares model inversion. <i>Computers and Chemical Engineering</i> , <b>2021</b> , 155, 107537	4	2
6	Process intensification 4.0: A new approach for attaining new, sustainable and circular processes enabled by machine learning. <i>Chemical Engineering and Processing: Process Intensification</i> , <b>2021</b> , 108671	3.7	3
5	Long-term dynamic allocation and maintenance planning of modular equipment to enhance gas field production flexibility. <i>Energy</i> , <b>2022</b> , 123920	7.9	0
4	Integrating tactical planning, operational planning and scheduling using data-driven feasibility analysis. <i>Computers and Chemical Engineering</i> , <b>2022</b> , 161, 107759	4	0
3	A multi-objective grouping genetic algorithm for modular design. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , 095440542211017	2.4	1
2	Commitment Indicators for Tracking Sustainable Design Decisions in Construction Projects. <i>Sustainability</i> , <b>2022</b> , 14, 6205	3.6	
1	Multifeedstock and Multiproduct Process Design Using Neural Network Surrogate Flexibility Constraints.		0