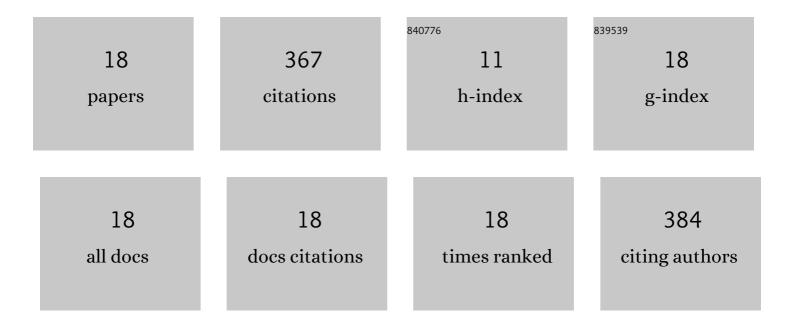
Burcu Beykal

List of Publications by Year in descending order

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Βυρού Βεγκλι

#	Article	IF	CITATIONS
1	Global optimization of grey-box computational systems using surrogate functions and application to highly constrained oil-field operations. Computers and Chemical Engineering, 2018, 114, 99-110.	3.8	65
2	Optimal design of energy systems using constrained grey-box multi-objective optimization. Computers and Chemical Engineering, 2018, 116, 488-502.	3.8	60
3	Influence of surface charge on the rate, extent, and structure of adsorbed Bovine Serum Albumin to gold electrodes. Journal of Colloid and Interface Science, 2015, 460, 321-328.	9.4	38
4	Dimensionality reduction for production optimization using polynomial approximations. Computational Geosciences, 2017, 21, 247-266.	2.4	31
5	DOMINO: Data-driven Optimization of bi-level Mixed-Integer NOnlinear Problems. Journal of Global Optimization, 2020, 78, 1-36.	1.8	23
6	A hierarchical Food-Energy-Water Nexus (FEW-N) decision-making approach for Land Use Optimization. Computer Aided Chemical Engineering, 2018, 44, 1885-1890.	0.5	21
7	Grouping of complex substances using analytical chemistry data: A framework for quantitative evaluation and visualization. PLoS ONE, 2019, 14, e0223517.	2.5	21
8	A dataâ€driven optimization algorithm for differential algebraic equations with numerical infeasibilities. AICHE Journal, 2020, 66, e16657.	3.6	18
9	Data-driven optimization of mixed-integer bi-level multi-follower integrated planning and scheduling problems under demand uncertainty. Computers and Chemical Engineering, 2022, 156, 107551.	3.8	18
10	Integrated Modeling of Transfer Learning and Intelligent Heuristic Optimization for a Steam Cracking Process. Industrial & Engineering Chemistry Research, 2020, 59, 16357-16367.	3.7	16
11	Classification of estrogenic compounds by coupling high content analysis and machine learning algorithms. PLoS Computational Biology, 2020, 16, e1008191.	3.2	11
12	Frequency response of microcantilevers immersed in gaseous, liquid, and supercritical carbon dioxide. Journal of Supercritical Fluids, 2013, 81, 254-264.	3.2	10
13	Optimal Chemical Grouping and Sorbent Material Design by Data Analysis, Modeling and Dimensionality Reduction Techniques. Computer Aided Chemical Engineering, 2018, 43, 421-426.	0.5	8
14	Multiobjective Optimization of Mixed-Integer Linear Programming Problems: A Multiparametric Optimization Approach. Industrial & Engineering Chemistry Research, 2021, 60, 8493-8503.	3.7	8
15	Combining Experimental Isotherms, Minimalistic Simulations, and a Model to Understand and Predict Chemical Adsorption onto Montmorillonite Clays. ACS Omega, 2021, 6, 14090-14103.	3.5	7
16	Bi-level Mixed-Integer Data-Driven Optimization of Integrated Planning and Scheduling Problems. Computer Aided Chemical Engineering, 2021, 50, 1707-1713.	0.5	6
17	Development of the Texas A&M Superfund Research Program Computational Platform for Data Integration, Visualization, and Analysis. Computer Aided Chemical Engineering, 2019, 46, 967-972.	0.5	3
18	Predicting the Estrogen Receptor Activity of Environmental Chemicals by Single-Cell Image Analysis and Data-driven Modeling. Computer Aided Chemical Engineering, 2021, 50, 481-486.	0.5	3