

Paul Serban Agachi

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

431
citations

1040056

9
h-index

996975

15
g-index

24
all docs

24
docs citations

24
times ranked

611
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Glycerol acetals and ketals as possible diesel additives. A review of their synthesis protocols. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 62, 804-814. | 16.4 | 101 |
| 2 | Development, calibration and evaluation of two mathematical models for pollutant transport in a small river. <i>Environmental Modelling and Software</i> , 2009, 24, 1139-1152. | 4.5 | 57 |
| 3 | Cost reduction of the wastewater treatment plant operation by MPC based on modified ASM1 with two-step nitrification/denitrification model. <i>Computers and Chemical Engineering</i> , 2011, 35, 2469-2479. | 3.8 | 57 |
| 4 | Real-Time Image Processing Based Online Feedback Control System for Cooling Batch Crystallization. <i>Organic Process Research and Development</i> , 2017, 21, 511-519. | 2.7 | 48 |
| 5 | Development and economic assessment of different WWTP control strategies for optimal simultaneous removal of carbon, nitrogen and phosphorus. <i>Computers and Chemical Engineering</i> , 2013, 53, 164-177. | 3.8 | 41 |
| 6 | Serum tests, liver stiffness and artificial neural networks for diagnosing cirrhosis and portal hypertension. <i>Digestive and Liver Disease</i> , 2015, 47, 411-416. | 0.9 | 40 |
| 7 | Chord Length Distribution Based Modeling and Adaptive Model Predictive Control of Batch Crystallization Processes Using High Fidelity Full Population Balance Models. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 3320-3332. | 3.7 | 28 |
| 8 | EXTENSION OF ACTIVATED SLUDGE MODEL NO 1 WITH TWO-STEP NITRIFICATION AND DENITRIFICATION PROCESSES FOR OPERATION IMPROVEMENT. <i>Environmental Engineering and Management Journal</i> , 2011, 10, 1529-1544. | 0.6 | 16 |
| 9 | EVALUATION OF DIFFERENT CONTROL STRATEGIES OF THE WASTE WATER TREATMENT PLANT BASED ON A MODIFIED ACTIVATED SLUDGE MODEL NO. 3. <i>Environmental Engineering and Management Journal</i> , 2012, 11, 147-164. | 0.6 | 15 |
| 10 | Optimal Process Control and Operation of an Industrial Heat Integrated Fluid Catalytic Cracking Plant Using Model Predictive Control. <i>Computer Aided Chemical Engineering</i> , 2010, 28, 505-510. | 0.5 | 7 |
| 11 | Model calibration and feed-forward control of the wastewater treatment plant – case study for CLUJ-Napoca WWTP. <i>Water and Environment Journal</i> , 2018, 32, 164-172. | 2.2 | 7 |
| 12 | Mining of graphics for information and knowledge retrieval. <i>Computers and Chemical Engineering</i> , 2009, 33, 618-627. | 3.8 | 6 |
| 13 | Sensitivity study of a heat integrated FCC plant. <i>Computer Aided Chemical Engineering</i> , 2009, , 465-470. | 0.5 | 3 |
| 14 | TECHNO-ECONOMICAL EVALUATION OF POST- AND PRE- COMBUSTION CARBON DIOXIDE CAPTURE METHODS APPLIED FOR AN IGCC POWER GENERATION PLANT. <i>Environmental Engineering and Management Journal</i> , 2013, 12, 2191-2201. | 0.6 | 3 |
| 15 | Identification of pollution sources in the Romanian Somes River using graphical analysis of concentration profiles. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2011, 6, 801-812. | 1.5 | 2 |
| 16 | Study of NOx reduction in counter-current chromatographic reactor. , 2006, , . | | 0 |
| 17 | Guest editorial – “computer-aided process engineering. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2009, 4, 843-844. | 1.5 | 0 |