# Danilo Russo

List of Publications by Year
in descending order



| | | | |
|---|---|---|---|
| 23 papers | 434 citations | 686830 13 h-index | 752256 20 g-index |
| 24 all docs | 24 docs citations | 24 times ranked | 598 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Multi-objective Bayesian optimisation of a two-step synthesis of p-cymene from crude sulphate turpentine. Chemical Engineering Science, 2022, 247, 116938. | 1.9 | 15 |
| 2 | Efficient Syntheses of Biobased Terephthalic Acid, p-Toluic Acid, and p-Methylacetophenone via One-Pot Catalytic Aerobic Oxidation of Monoterpene Derived Bio-p-cymene. ACS Sustainable Chemistry and Engineering, 2021, 9, 8642-8652. | 3.2 | 12 |
| 3 | Photocatalytic Applications in Wastewater and Air Treatment: A Patent Review (2010â€“2020). Catalysts, 2021, 11, 834. | 1.6 | 18 |
| 4 | Kinetic Modeling of Advanced Oxidation Processes Using Microreactors: Challenges and Opportunities for Scale-Up. Applied Sciences (Switzerland), 2021, 11, 1042. | 1.3 | 13 |
| 5 | Optimization of Formulations Using Robotic Experiments Driven by Machine Learning DoE. Cell Reports Physical Science, 2021, 2, 100295. | 2.8 | 28 |
| 6 | K-doped CeO<sub>2</sub>â€“ZrO<sub>2</sub> for CO<sub>2</sub> thermochemical catalytic splitting. RSC Advances, 2021, 11, 39420-39427. | 1.7 | 6 |
| 7 | Photoactivated Fe(III)/Fe(II)/WO3â€“Pd fuel cell for electricity generation using synthetic and real effluents under visible light. Renewable Energy, 2020, 147, 1070-1081. | 4.3 | 14 |
| 8 | A new formulation for symbolic regression to identify physico-chemical laws from experimental data. Chemical Engineering Journal, 2020, 387, 123412. | 6.6 | 27 |
| 9 | Ultrafast photodegradation of isoxazole and isothiazolinones by UV254 and UV254/H2O2 photolysis in a microcapillary reactor. Water Research, 2020, 169, 115203. | 5.3 | 15 |
| 10 | Machine Learning-aided Process Design for Formulated Products. Computer Aided Chemical Engineering, 2020, 48, 1789-1794. | 0.3 | 4 |
| 11 | The role of NO2 and NO in the mechanism of hydrocarbon degradation leading to carbonaceous deposits in engines. Fuel, 2020, 267, 117218. | 3.4 | 7 |
| 12 | Heterogeneous benzaldehyde nitration in batch and continuous flow microreactor. Chemical Engineering Journal, 2019, 377, 120346. | 6.6 | 21 |
| 13 | Modeling and validation of a modular multi-lamp photo-reactor for cetylpyridinium chloride degradation by UV and UV/H2O2 processes. Chemical Engineering Journal, 2019, 376, 120380. | 6.6 | 9 |
| 14 | Removal of antiretroviral drugs stavudine and zidovudine in water under UV254 and UV254/H2O2 processes: Quantum yields, kinetics and ecotoxicology assessment. Journal of Hazardous Materials, 2018, 349, 195-204. | 6.5 | 33 |
| 15 | Ternary HNO<sub>3</sub>â€“H<sub>2</sub>SO<sub>4</sub>â€“H<sub>2</sub>O Mixtures: A Simplified Approach for the Calculation of the Equilibrium Composition. Industrial & Engineering Chemistry Research, 2018, 57, 1696-1704. | 1.8 | 3 |
| 16 | Metal-based semiconductor nanomaterials for photocatalysis. , 2018, , 187-213. | | 3 |
| 17 | Intensification of Nitrobenzaldehydes Synthesis from Benzyl Alcohol in a Microreactor. Organic Process Research and Development, 2017, 21, 357-364. | 1.3 | 14 |
| 18 | Sacrificial photocatalysis: removal of nitrate and hydrogen production by nano-copper-loaded P25 titania. A kinetic and ecotoxicological assessment. Environmental Science and Pollution Research, 2017, 24, 5898-5907. | 2.7 | 12 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Photodegradation and ecotoxicology of acyclovir in water under UV254 and UV254/H2O2 processes. Water Research, 2017, 122, 591-602. | 5.3 | 50 |
| 20 | Benzaldehyde nitration by mixed acid under homogeneous condition: A kinetic modeling. Chemical Engineering Journal, 2017, 307, 1076-1083. | 6.6 | 12 |
| 21 | Hydrogen Generation through Solar Photocatalytic Processes: A Review of the Configuration and the Properties of Effective Metal-Based Semiconductor Nanomaterials. Energies, 2017, 10, 1624. | 1.6 | 56 |
| 22 | Investigation on the removal of the major cocaine metabolite (benzoylecgonine) in water matrices by UV 254 /H 2 O 2 process by using a flow microcapillary film array photoreactor as an efficient experimental tool. Water Research, 2016, 89, 375-383. | 5.3 | 25 |
| 23 | Direct photolysis of benzoylecgonine under UV irradiation at 254nm in a continuous flow microcapillary array photoreactor. Chemical Engineering Journal, 2016, 283, 243-250. | 6.6 | 29 |