

# Danilo Russo

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8047492/publications.pdf>

Version: 2024-02-01

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	Hydrogen Generation through Solar Photocatalytic Processes: A Review of the Configuration and the Properties of Effective Metal-Based Semiconductor Nanomaterials. <i>Energies</i> , 2017, 10, 1624.	1.6	56
2	Photodegradation and ecotoxicology of acyclovir in water under UV254 and UV254/H2O2 processes. <i>Water Research</i> , 2017, 122, 591-602.	5.3	50
3	Removal of antiretroviral drugs stavudine and zidovudine in water under UV254 and UV254/H2O2 processes: Quantum yields, kinetics and ecotoxicology assessment. <i>Journal of Hazardous Materials</i> , 2018, 349, 195-204.	6.5	33
4	Direct photolysis of benzoylecgonine under UV irradiation at 254nm in a continuous flow microcapillary array photoreactor. <i>Chemical Engineering Journal</i> , 2016, 283, 243-250.	6.6	29
5	Optimization of Formulations Using Robotic Experiments Driven by Machine Learning DoE. <i>Cell Reports Physical Science</i> , 2021, 2, 100295.	2.8	28
6	A new formulation for symbolic regression to identify physico-chemical laws from experimental data. <i>Chemical Engineering Journal</i> , 2020, 387, 123412.	6.6	27
7	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. <i>Water Research</i> , 2016, 89, 375-383.	5.3	25
8	Heterogeneous benzaldehyde nitration in batch and continuous flow microreactor. <i>Chemical Engineering Journal</i> , 2019, 377, 120346.	6.6	21
9	Photocatalytic Applications in Wastewater and Air Treatment: A Patent Review (2010-2020). <i>Catalysts</i> , 2021, 11, 834.	1.6	18
10	Ultrafast photodegradation of isoxazole and isothiazolinones by UV254 and UV254/H2O2 photolysis in a microcapillary reactor. <i>Water Research</i> , 2020, 169, 115203.	5.3	15
11	Multi-objective Bayesian optimisation of a two-step synthesis of p-cymene from crude sulphate turpentine. <i>Chemical Engineering Science</i> , 2022, 247, 116938.	1.9	15
12	Intensification of Nitrobenzaldehydes Synthesis from Benzyl Alcohol in a Microreactor. <i>Organic Process Research and Development</i> , 2017, 21, 357-364.	1.3	14
13	Photoactivated Fe(III)/Fe(II)/WO <sub>3</sub> -Pd fuel cell for electricity generation using synthetic and real effluents under visible light. <i>Renewable Energy</i> , 2020, 147, 1070-1081.	4.3	14
14	Kinetic Modeling of Advanced Oxidation Processes Using Microreactors: Challenges and Opportunities for Scale-Up. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 1042.	1.3	13
15	Sacrificial photocatalysis: removal of nitrate and hydrogen production by nano-copper-loaded P25 titania. A kinetic and ecotoxicological assessment. <i>Environmental Science and Pollution Research</i> , 2017, 24, 5898-5907.	2.7	12
16	Benzaldehyde nitration by mixed acid under homogeneous condition: A kinetic modeling. <i>Chemical Engineering Journal</i> , 2017, 307, 1076-1083.	6.6	12
17	Efficient Syntheses of Biobased Terephthalic Acid, p-Toluic Acid, and p-Methylacetophenone via One-Pot Catalytic Aerobic Oxidation of Monoterpene Derived Bio-p-cymene. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 8642-8652.	3.2	12
18	Modeling and validation of a modular multi-lamp photo-reactor for cetylpyridinium chloride degradation by UV and UV/H2O2 processes. <i>Chemical Engineering Journal</i> , 2019, 376, 120380.	6.6	9

#	ARTICLE	IF	CITATIONS
19	The role of NO <sub>2</sub> and NO in the mechanism of hydrocarbon degradation leading to carbonaceous deposits in engines. Fuel, 2020, 267, 117218.	3.4	7
20	K-doped CeO <sub>2</sub> –ZrO <sub>2</sub> for CO <sub>2</sub> thermochemical catalytic splitting. RSC Advances, 2021, 11, 39420-39427.	1.7	6
21	Machine Learning-aided Process Design for Formulated Products. Computer Aided Chemical Engineering, 2020, 48, 1789-1794.	0.3	4
22	Ternary HNO <sub>3</sub> –H <sub>2</sub> SO <sub>4</sub> –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
23	Metal-based semiconductor nanomaterials for photocatalysis. , 2018, , 187-213.		3