

Daria Camilla Boffito

List of Publications by Year in descending order

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Version: 2024-02-01

94
papers

2,107
citations

236925

25
h-index

289244

40
g-index

96
all docs

96
docs citations

96
times ranked

2075
citing authors

#	ARTICLE	IF	CITATIONS
1	Spray dried TiO ₂ /WO ₃ heterostructure for photocatalytic applications with residual activity in the dark. <i>Applied Catalysis B: Environmental</i> , 2018, 226, 311-323.	20.2	170
2	Experimental methods in chemical engineering: X-ray diffraction spectroscopy (XRD). <i>Canadian Journal of Chemical Engineering</i> , 2020, 98, 1255-1266.	1.7	100
3	Revisiting the MIL-101 metal-organic framework: design, synthesis, modifications, advances, and recent applications. <i>Journal of Materials Chemistry A</i> , 2021, 9, 22159-22217.	10.3	100
4	Enhanced photocatalytic activity of Pt-TiO ₂ /WO ₃ hybrid material with energy storage ability. <i>Applied Catalysis B: Environmental</i> , 2019, 252, 77-85.	20.2	79
5	From CO ₂ to Formic Acid Fuel Cells. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 803-815.	3.7	70
6	Ultrasound-assisted extraction of bioactive compounds from green tea leaves and clarification with natural coagulants (chitosan and Moringa oleifera seeds). <i>Ultrasonics Sonochemistry</i> , 2019, 51, 111-119.	8.2	61
7	Sonoprocessing: From Concepts to Large-Scale Reactors. <i>Chemical Reviews</i> , 2022, 122, 3219-3258.	47.7	61
8	FeCrAl as a Catalyst Support. <i>Chemical Reviews</i> , 2020, 120, 7516-7550.	47.7	59
9	Photochemical Synthesis of Gold and Silver Nanoparticles—A Review. <i>Molecules</i> , 2021, 26, 4585.	3.8	52
10	Simultaneous photodegradation of VOC mixture by TiO ₂ powders. <i>Chemosphere</i> , 2018, 193, 198-206.	8.2	47
11	Natural Fe ₂ O ₃ as an efficient catalyst for the p-nitrophenol reduction. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2018, 229, 126-134.	3.5	46
12	Maximisation of the polyphenols extraction yield from green tea leaves and sequential clarification. <i>Journal of Food Engineering</i> , 2019, 241, 97-104.	5.2	45
13	Intellectual contributions meriting authorship: Survey results from the top cited authors across all science categories. <i>PLoS ONE</i> , 2019, 14, e0198117.	2.5	42
14	Toward Scaling-Up Photocatalytic Process for Multiphase Environmental Applications. <i>Catalysts</i> , 2021, 11, 562.	3.5	42
15	Waste sludge from shipping docks as a catalyst to remove amoxicillin in water with hydrogen peroxide and ultrasound. <i>Ultrasonics Sonochemistry</i> , 2020, 68, 105187.	8.2	40
16	Sonophotocatalytic degradation of sodium diclofenac using low power ultrasound and micro sized TiO ₂ . <i>Ultrasonics Sonochemistry</i> , 2020, 67, 105123.	8.2	35
17	Scratching the Surface of the Protein Corona: Challenging Measurements and Controversies. <i>ACS Nano</i> , 2022, 16, 1689-1707.	14.6	35
18	Experimental methods in chemical engineering: X-ray photoelectron spectroscopy (XPS). <i>Canadian Journal of Chemical Engineering</i> , 2019, 97, 2588-2593.	1.7	32

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19	Gasâ€Phase Partial Oxidation of Lignin to Carboxylic Acids over Vanadium Pyrophosphate and Aluminumâ€Vanadiumâ€Molybdenum. <i>ChemSusChem</i> , 2015, 8, 3424-3432.	6.8	31
20	Process intensification connects scales and disciplines towards sustainability. <i>Canadian Journal of Chemical Engineering</i> , 2020, 98, 2489-2506.	1.7	31
21	A modified sol-gel synthesis to yield a stable Fe ³⁺ /ZnO photocatalyst: Degradation of water pollutants and mechanistic insights under UV and visible light. <i>Journal of Environmental Chemical Engineering</i> , 2020, 10, 104382.	6.7	30
22	One-pot transesterification of non-edible <i>Moringa oleifera</i> oil over a MgO/K ₂ CO ₃ catalyst derived from poultry skeletal waste. <i>Environmental Technology and Innovation</i> , 2021, 21, 1012.	6.1	30
23	Correlation preparation parameters/activity for microTiO ₂ decorated with SilverNPs for NO _x photodegradation under LED light. <i>Applied Catalysis B: Environmental</i> , 2019, 253, 218-225.	20.2	29
24	Visible-light-driven photocatalytic disinfection of raw surface waters (300â€5000 CFU/mL) using reusable coated Ru/WO ₃ /ZrO ₂ . <i>Journal of Hazardous Materials</i> , 2021, 402, 123514.	12.4	29
25	Process intensification education contributes to sustainable development goals. Part 2. <i>Education for Chemical Engineers</i> , 2020, 32, 15-24.	4.8	28
26	Experimental and Computational Synergistic Design of Cu and Fe Catalysts for the Reverse Waterâ€Gas Shift: A Review. <i>ACS Catalysis</i> , 2022, 12, 6887-6905.	11.2	27
27	Piezo-enhanced photocatalytic diclofenac mineralization over ZnO. <i>Ultrasonics Sonochemistry</i> , 2021, 75, 105615.	8.2	26
28	Spray dried SiO ₂ /WO ₃ /TiO ₂ and SiO ₂ /vanadium pyrophosphate core-shell catalysts. <i>Powder Technology</i> , 2017, 316, 434-440.	4.2	25
29	How do you write and present research well?. <i>Canadian Journal of Chemical Engineering</i> , 2015, 93, 1693-1696.	1.7	24
30	Perspectives on the process intensification of CO ₂ capture and utilization. <i>Chemical Engineering and Processing: Process Intensification</i> , 2022, 176, 108958.	3.6	24
31	The Sonophotocatalytic Degradation of Pharmaceuticals in Water by MnO _x -TiO ₂ Systems with Tuned Band-Gaps. <i>Catalysts</i> , 2019, 9, 949.	3.5	23
32	Nano-MnO ₂ Decoration of TiO ₂ Microparticles to Promote Gaseous Ethanol Visible Photoremoval. <i>Nanomaterials</i> , 2018, 8, 686.	4.1	22
33	Emerging investigator series: microplastic sources, fate, toxicity, detection, and interactions with micropollutants in aquatic ecosystems â€ a review of reviews. <i>Environmental Sciences: Processes and Impacts</i> , 2022, 24, 172-195.	3.5	22
34	Gasâ€solid conversion of lignin to carboxylic acids. <i>Reaction Chemistry and Engineering</i> , 2016, 1, 397-408.	3.7	21
35	Heavy metals concentration in mangrove tissues and associated sediments and seawater from the north coast of Persian Gulf, Iran: Ecological and health risk assessment. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2021, 15, 100456.	2.9	21
36	Spray-dried microporous Pt/TiO ₂ degrades 4-chlorophenol under UV and visible light. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 103267.	6.7	20

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37	Low-cost synthesis of Cu ²⁺ -Fe ₂ O ₃ from natural HFeO ₂ : Application in 4-nitrophenol reduction. Journal of Environmental Chemical Engineering, 2020, 8, 104214.	6.7	20
38	Application of photocatalytic ozonation with a WO ₃ /TiO ₂ catalyst for PFAS removal under UVA/visible light. Science of the Total Environment, 2022, 843, 157006.	8.0	20
39	Micro-syngas technology options for GtL. Canadian Journal of Chemical Engineering, 2016, 94, 613-622.	1.7	19
40	Cs, V, Cu Keggin-type catalysts partially oxidize 2-methyl-1,3-propanediol to methacrylic acid. Applied Catalysis A: General, 2018, 554, 105-116.	4.3	19
41	Distributed production: Scale-up vs experience. Journal of Advanced Manufacturing and Processing, 2020, 2, .	2.4	19
42	LiFePO ₄ spray drying scale-up and carbon-cage for improved cyclability. Journal of Power Sources, 2020, 462, 228103.	7.8	19
43	Thermogravimetric heat and mass transfer: Modeling of bitumen pyrolysis. Fuel, 2015, 143, 253-261.	6.4	18
44	Vegetable Oil Deacidification by Methanol Heterogeneously Catalyzed Esterification in (Monophasic) Tj ETQq0 0 0 rBT /Overlock 10 Tf	8.1	17
45	CaO and isopropanol transesterify and crack triglycerides to isopropyl esters and green diesel. Energy Conversion and Management, 2017, 139, 71-78.	9.2	17
46	Thermodynamically unconstrained forced concentration cycling of methane catalytic partial oxidation over CeO ₂ FeCrAlloy catalysts. Chemical Engineering Journal, 2020, 380, 122470.	12.7	17
47	Pt on FeCrAlloy catalyses methane partial oxidation to syngas at high pressure. Catalysis Today, 2016, 270, 43-50.	4.4	15
48	Ultrasound-assisted impregnation for high temperature Fischer-Tropsch catalysts. Ultrasonics Sonochemistry, 2018, 48, 523-531.	8.2	15
49	Ni/CeO ₂ promoted Ru and Pt supported on FeCrAl gauze for cycling methane catalytic partial oxidation - CPOX. Applied Catalysis B: Environmental, 2021, 286, 119849.	20.2	15
50	Facile solvothermal synthesis of a MIL-47(V) metal-organic framework for a high-performance Epoxy/MOF coating with improved anticorrosion properties. RSC Advances, 2022, 12, 9008-9022.	3.6	15
51	Partial oxidation of methane to syngas over Pt/Rh/MgO catalyst supported on FeCrAlloy woven fibre. Canadian Journal of Chemical Engineering, 2016, 94, 642-649.	1.7	14
52	Ultrasonic Intensification To Produce Diester Biolubricants. Industrial & Engineering Chemistry Research, 2019, 58, 7957-7963.	3.7	14
53	How do you write and present research well? 8 - Assign authorship according to intellectual involvement. Canadian Journal of Chemical Engineering, 2016, 94, 1127-1134.	1.7	12
54	Eco-friendly synthesis from industrial wastewater of Fe and Cu nanoparticles over NaX zeolite and activity in 4-nitrophenol reduction. Canadian Journal of Chemical Engineering, 2018, 96, 1566-1575.	1.7	12

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55	Thermocatalytic Hydrodeoxygenation and Depolymerization of Waste Lignin to Oxygenates and Biofuels in a Continuous Flow Reactor at Atmospheric Pressure. ACS Sustainable Chemistry and Engineering, 2020, 8, 13195-13205.	6.7	12
56	How do you write and present research well? 7â€”Cite to get cited. Canadian Journal of Chemical Engineering, 2016, 94, 805-808.	1.7	11
57	Portable, stable, and sensitive assay to detect phosphate in water with gold nanoparticles (AuNPs) and dextran tablet. Analyst, The, 2021, 146, 3697-3708.	3.5	11
58	Electron paramagnetic resonance of sonicated powder suspensions in organic solvents. Ultrasonics Sonochemistry, 2021, 73, 105544.	8.2	11
59	Solar Light Photoactive Floating Polyaniline/TiO ₂ Composites for Water Remediation. Nanomaterials, 2021, 11, 3071.	4.1	10
60	Microwave-Assisted Synthesis of the Flexible Iron-based MIL-88B Metalâ€”Organic Framework for Advanced Energetic Systems. Journal of Inorganic and Organometallic Polymers and Materials, 2022, 32, 2538-2556.	3.7	10
61	How do you write and present research well? 10â€”State the uncertainty, but not too precisely. Canadian Journal of Chemical Engineering, 2016, 94, 1425-1430.	1.7	9
62	Ultrasound assisted wet stirred media mill of high concentration LiFePO ₄ and catalysts. Canadian Journal of Chemical Engineering, 2019, 97, 2242-2250.	1.7	9
63	Photocatalytic degradation of NO _x and ethanol in the gas phase by spray dried Ce-TiO ₂ . Journal of Environmental Chemical Engineering, 2021, 9, 106813.	6.7	9
64	How do you write and present research well? 9-show and state what error bars represent. Canadian Journal of Chemical Engineering, 2016, 94, 1221-1224.	1.7	8
65	How do you write and present research well? Q4 â€” Do not metastasize with metadiscourse. Canadian Journal of Chemical Engineering, 2016, 94, 205-208.	1.7	8
66	Synthesis of a novel Ce(III)/melamine coordination polymer and its application for corrosion protection of AA2024 in NaCl solution. RSC Advances, 2021, 11, 6330-6345.	3.6	8
67	How do you write and present research well? 1 - admit that you did it. Canadian Journal of Chemical Engineering, 2015, 93, 1889-1890.	1.7	7
68	Asymmetric Al ₂ O ₃ and PES/Al ₂ O ₃ hollow fiber membranes for green tea extract clarification. Journal of Food Engineering, 2020, 277, 109889.	5.2	7
69	Ultrasound-assisted carboxymethylation of LignoForce Kraft lignin to produce biodispersants. Journal of Cleaner Production, 2022, 366, 132776.	9.3	7
70	How do you write and present research well? 6â€”Tell it in the title. Canadian Journal of Chemical Engineering, 2016, 94, 713-715.	1.7	6
71	ZnAl hydrotalcites modified with nanocomposites nZVIâ€”PAA for environmental remediation. Journal of Materials Research and Technology, 2021, 14, 2243-2256.	5.8	6
72	Sonochemical synthesis of porous gold nano- and microparticles in a Rosette cell. Ultrasonics Sonochemistry, 2021, 79, 105744.	8.2	6

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73	A Kinetic Study on the Degradation of Acetaminophen and Amoxicillin in Water by Ultrasound. <i>ChemistrySelect</i> , 2020, 5, 14986-14992.	1.5	6
74	How do you write and present research well? 2 “Replace 007 with an explicit agent. <i>Canadian Journal of Chemical Engineering</i> , 2015, 93, 2095-2097.	1.7	5
75	Gas-liquid processes: Preface. <i>Canadian Journal of Chemical Engineering</i> , 2016, 94, 605-606.	1.7	5
76	How do you write and present research well? 12-Design graphs to fit within the journal column width. <i>Canadian Journal of Chemical Engineering</i> , 2016, 94, 1629-1632.	1.7	5
77	How do you write and present research well? 3 “shave your text with Occam's Razor. <i>Canadian Journal of Chemical Engineering</i> , 2016, 94, 3-6.	1.7	5
78	Influence of frequency and amplitude on the mucus viscoelasticity of the novel mechano-acoustic Frequency, <i>Respiratory Medicine</i> , 2019, 153, 52-59.	2.9	5
79	Gas-Solid Oxidation of Unwashed Lignin to Carboxylic Acids. <i>Energy & Fuels</i> , 2020, 34, 9683-9696.	5.1	5
80	Multivariate metal-organic framework MTV-MIL-101 via post-synthetic cation exchange: is it truly achievable?. <i>Dalton Transactions</i> , 2022, 51, 3280-3294.	3.3	5
81	How do you write and present research well? 15 “Prepare to say less than you prepare. <i>Canadian Journal of Chemical Engineering</i> , 2016, 94, 1834-1837.	1.7	4
82	How do you write and present research well? 16-Target an audience and promote. <i>Canadian Journal of Chemical Engineering</i> , 2016, 94, 1838-1840.	1.7	4
83	How do you write and present research well? 11 “Respect SI writing conventions. <i>Canadian Journal of Chemical Engineering</i> , 2016, 94, 1431-1434.	1.7	4
84	Bismuth Oxyhalides for NOx Degradation under Visible Light: The Role of the Chloride Precursor. <i>Catalysts</i> , 2021, 11, 81.	3.5	4
85	How do you write and present research well? 13-Set axis titles to within 1 pt of article text. <i>Canadian Journal of Chemical Engineering</i> , 2016, 94, 1633-1635.	1.7	3
86	Process Intensification and Catalysis. , 2019, , .		3
87	How do you write and present research well? 14-Favour images over text in graphical abstracts. <i>Canadian Journal of Chemical Engineering</i> , 2016, 94, 1636-1639.	1.7	2
88	How do you write and present research well? 5 “revise sentences over 30 words long. <i>Canadian Journal of Chemical Engineering</i> , 2016, 94, 405-407.	1.7	2
89	Response to “Comment on “How do you write and present research well?”™. <i>Canadian Journal of Chemical Engineering</i> , 2016, 94, 201-201.	1.7	2
90	How do you write and present research well? Answers to the 20 questions. <i>Canadian Journal of Chemical Engineering</i> , 2017, 95, 11-20.	1.7	2

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91	How do you write and present research well? 18â€”Publish and flourish. Canadian Journal of Chemical Engineering, 2016, 94, 2179-2185.	1.7	1
92	How do you write and present research well? 17â€”Submit your manuscript to the journal you cite most. Canadian Journal of Chemical Engineering, 2016, 94, 2174-2178.	1.7	1
93	How do you write and present research well? 20â€”state the novelty of your work explicitly. Canadian Journal of Chemical Engineering, 2016, 94, 2240-2242.	1.7	0
94	How do you write and present research well? 19-emulate articles in high impact factor journals. Canadian Journal of Chemical Engineering, 2016, 94, 2237-2239.	1.7	0