

Paula Oulego

List of Publications by Year in descending order

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Version: 2024-02-01

65
papers

1,869
citations

236925

25
h-index

289244

40
g-index

65
all docs

65
docs citations

65
times ranked

2082
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanical durability and combustion characteristics of pellets from biomass blends. <i>Bioresource Technology</i> , 2010, 101, 8859-8867.	9.6	186
2	Graphene-family nanomaterials in wastewater treatment plants. <i>Chemical Engineering Journal</i> , 2017, 313, 121-135.	12.7	116
3	Towards the Implementation of Circular Economy in the Wastewater Sector: Challenges and Opportunities. <i>Water (Switzerland)</i> , 2020, 12, 1431.	2.7	103
4	Valuable compounds from sewage sludge by thermal hydrolysis and wet oxidation. A review. <i>Science of the Total Environment</i> , 2017, 584-585, 921-934.	8.0	95
5	Novel biosorbents from almond shells: Characterization and adsorption properties modeling for Cu(II) ions from aqueous solutions. <i>Journal of Environmental Chemical Engineering</i> , 2017, 5, 2944-2954.	6.7	70
6	Radical-based degradation of sulfamethoxazole via UVA/PMS-assisted photocatalysis, driven by magnetically separable Fe ₃ O ₄ @CeO ₂ @BiOI nanospheres. <i>Separation and Purification Technology</i> , 2021, 267, 118665.	7.9	64
7	CO ₂ Hydrogenation at Atmospheric Pressure and Low Temperature Using Plasma-Enhanced Catalysis over Supported Cobalt Oxide Catalysts. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 17397-17407.	6.7	56
8	Impact of leachate composition on the advanced oxidation treatment. <i>Water Research</i> , 2016, 88, 389-402.	11.3	55
9	Photocatalytic activation of peroxymonosulfate (PMS) by novel mesoporous Ag/ZnO@NiFe ₂ O ₄ nanorods, inducing radical-mediated acetaminophen degradation under UVA irradiation. <i>Chemosphere</i> , 2021, 277, 130271.	8.2	55
10	Protein recovery from solubilized sludge by hydrothermal treatments. <i>Waste Management</i> , 2017, 67, 278-287.	7.4	50
11	Persulfate activation by modified red mud for the oxidation of antibiotic sulfamethoxazole in water. <i>Journal of Environmental Management</i> , 2020, 270, 110820.	7.8	45
12	Valorization of steel slag towards a Fenton-like catalyst for the degradation of paraben by activated persulfate. <i>Chemical Engineering Journal</i> , 2019, 360, 728-739.	12.7	41
13	Environmental properties of phosphonium, imidazolium and ammonium cation-based ionic liquids as potential lubricant additives. <i>Journal of Molecular Liquids</i> , 2018, 272, 937-947.	4.9	40
14	Highly Selective Oxidation of Ethyl Lactate to Ethyl Pyruvate Catalyzed by Mesoporous Vanadia@Titania. <i>ACS Catalysis</i> , 2018, 8, 2365-2374.	11.2	38
15	Novel fatty acid anion-based ionic liquids: Contact angle, surface tension, polarity fraction and spreading parameter. <i>Journal of Molecular Liquids</i> , 2019, 288, 110995.	4.9	38
16	Biodegradation of dissolved humic substances by fungi. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 3497-3511.	3.6	35
17	Heterogeneous catalytic ozonation and peroxone-mediated removal of Acetaminophen using natural and modified hematite-rich soil, as efficient and environmentally friendly catalysts. <i>Applied Catalysis B: Environmental</i> , 2022, 301, 120786.	20.2	35
18	The wet oxidation of aqueous humic acids. <i>Journal of Hazardous Materials</i> , 2020, 396, 122402.	12.4	34

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19	Synthesis of a novel, ternary AgI/CeO ₂ @g-C ₃ N ₄ nanocomposite with exceptional stability and reusability for visible light-assisted photocatalytic reduction of hexavalent chromium. <i>Applied Surface Science</i> , 2021, 555, 149692.	6.1	32
20	Impact of anaerobic digestion and centrifugation/decanting processes in bacterial communities fractions. <i>Journal of Bioscience and Bioengineering</i> , 2018, 126, 742-749.	2.2	31
21	Enhanced Cu(II) adsorption using sodium trimetaphosphate-modified cellulose beads: equilibrium, kinetics, adsorption mechanisms, and reusability. <i>Environmental Science and Pollution Research</i> , 2021, 28, 46523-46539.	5.3	30
22	Physicochemical, traction and tribofilm formation properties of three octanoate-, laurate- and palmitate-anion based ionic liquids. <i>Journal of Molecular Liquids</i> , 2019, 284, 639-646.	4.9	29
23	Development and characterization of egg yolk and egg yolk fractions edible films. <i>Food Hydrocolloids</i> , 2017, 70, 229-239.	10.7	28
24	Relationships between the physical properties and biodegradability and bacteria toxicity of fatty acid-based ionic liquids. <i>Journal of Molecular Liquids</i> , 2019, 292, 111451.	4.9	28
25	Biopolymer composite from cellulose nanocrystals of almond (<i>Prunus dulcis</i>) shell as effective adsorbents for Cu ²⁺ ions from aqueous solutions. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105139.	6.7	28
26	Production of carboxylic acids from the non-lignin residue of black liquor by hydrothermal treatments. <i>Bioresource Technology</i> , 2019, 284, 105-114.	9.6	26
27	Synthesis and characterization of eco-friendly cellulose beads for copper (II) removal from aqueous solutions. <i>Environmental Science and Pollution Research</i> , 2020, 27, 23447-23463.	5.3	26
28	Simultaneous oxidation of cyanide and thiocyanate at high pressure and temperature. <i>Journal of Hazardous Materials</i> , 2014, 280, 570-578.	12.4	24
29	Sludge hydrothermal treatments. Oxidising atmosphere effects on biopolymers and physical properties. <i>Journal of Environmental Management</i> , 2018, 206, 284-290.	7.8	24
30	Kraft black liquor as a renewable source of value-added chemicals. <i>Chemical Engineering Journal</i> , 2022, 448, 137728.	12.7	24
31	Tertiary treatment of biologically pre-treated landfill leachates by non-catalytic wet oxidation. <i>Chemical Engineering Journal</i> , 2015, 273, 647-655.	12.7	22
32	Characterisation of the wet oxidation of black liquor for its integration in Kraft paper mills. <i>Chemical Engineering Journal</i> , 2021, 405, 126610.	12.7	21
33	Effect of wet oxidation on the fingerprints of polymeric substances from an activated sludge. <i>Water Research</i> , 2016, 105, 282-290.	11.3	18
34	Formation and Degradation of Soluble Biopolymers during Wet Oxidation of Sludge. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 3011-3018.	6.7	18
35	Wet oxidation of the structural sludge fractions. <i>Journal of Cleaner Production</i> , 2017, 168, 1163-1170.	9.3	18
36	Selective Aerobic Oxidation of Lactate to Pyruvate Catalyzed by Vanadium-Nitrogen-Doped Carbon Nanosheets. <i>ChemCatChem</i> , 2019, 11, 3381-3387.	3.7	18

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37	Flow cytometric characterization of bacterial abundance and physiological status in a nitrifying-denitrifying activated sludge system treating landfill leachate. <i>Environmental Science and Pollution Research</i> , 2017, 24, 21262-21271.	5.3	17
38	Model-free kinetics applied to evaluate the long-term thermal stability of three [NTf ₂] anion-based ionic liquids. <i>Thermochimica Acta</i> , 2017, 656, 70-84.	2.7	17
39	Self-Exfoliated Synthesis of Transition Metal Phosphate Nanolayers for Selective Aerobic Oxidation of Ethyl Lactate to Ethyl Pyruvate. <i>ACS Catalysis</i> , 2020, 10, 3958-3967.	11.2	17
40	Wet oxidation of real coke wastewater containing high thiocyanate concentration. <i>Journal of Environmental Management</i> , 2014, 132, 16-23.	7.8	16
41	The effect of the synthetic route on the structural, textural, morphological and catalytic properties of iron(III) oxides and oxyhydroxides. <i>Dalton Transactions</i> , 2016, 45, 9446-9459.	3.3	16
42	Effect of landfill leachate ageing on ultrafiltration performance and membrane fouling behaviour. <i>Journal of Water Process Engineering</i> , 2020, 36, 101291.	5.6	16
43	Separation and purification techniques for the recovery of added-value biocompounds from waste activated sludge. A review. <i>Resources, Conservation and Recycling</i> , 2022, 182, 106327.	10.8	16
44	Deriving an Fe ₂ O ₃ /g-C ₃ N ₄ nanocomposite from a naturally hematite-rich soil, for dual photocatalytic and photo-Fenton degradation of Acetaminophen under visible light. <i>Separation and Purification Technology</i> , 2022, 299, 121723.	7.9	16
45	Leachates and natural organic matter. A review of their biotreatment using fungi. <i>Waste Management</i> , 2019, 96, 108-120.	7.4	15
46	Eggshell-supported Catalysts for the Advanced Oxidation Treatment of Humic Acid Polluted Wastewaters. <i>Water (Switzerland)</i> , 2020, 12, 100.	2.7	15
47	Metagenomic Analysis of Bacterial Communities from a Nitrification-Denitrification Treatment of Landfill Leachates. <i>Clean - Soil, Air, Water</i> , 2019, 47, 1900156.	1.1	11
48	A proposal for the classification of sludge products throughout hydrothermal treatment. <i>Chemical Engineering Journal</i> , 2022, 430, 132746.	12.7	11
49	Iron (II) as catalyst for thiocyanate wet oxidation: Mechanism and modelization. <i>Chemical Engineering Journal</i> , 2017, 316, 813-822.	12.7	10
50	Characterization of sinter flue dust to enhance alternative recycling and environmental impact at disposal. <i>Waste Management</i> , 2018, 79, 251-259.	7.4	10
51	Recovery of organic acids from pre-treated Kraft black liquor using ultrafiltration and liquid-liquid extraction. <i>Separation and Purification Technology</i> , 2022, 284, 120274.	7.9	10
52	Macronutrient solubilisation during hydrothermal treatment of sewage sludge. <i>Journal of Water Process Engineering</i> , 2021, 43, 102270.	5.6	9
53	Hydrothermal processing of Kraft lignin for carboxylic acid production. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 103472.	6.7	8
54	Physico-chemical pre-treatments of anaerobic digestion liquor for aerobic treatment. <i>Journal of Environmental Management</i> , 2020, 274, 111189.	7.8	7

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55	Heavy metal solubilisation during the hydrothermal treatment of sludge. Journal of Environmental Management, 2021, 286, 112120.	7.8	7
56	Kinetics and Pathways of Cyanide Degradation at High Temperatures and Pressures. Environmental Science & Technology, 2013, 47, 130125102728008.	10.0	6
57	Miscibility, corrosion and environmental properties of six hexanoate- and sulfonate-based protic ionic liquids. Journal of Molecular Liquids, 2021, 322, 114561.	4.9	6
58	Ruthenium on Alkali-exfoliated Ti ₃ (Al _{0.8} Sn _{0.2})C ₂ MAX Phase Catalyses Reduction of 4-Nitroaniline with Ammonia Borane. ChemCatChem, 2021, 13, 3470-3478.	3.7	6
59	Easy and Cost Effective Preparation of Cellulose Beads from Almond Shell: Characterization and Application in Copper (II) Adsorption from Aqueous Solutions. Advances in Science, Technology and Innovation, 2018, , 175-177.	0.4	2
60	Non-Energetic Chemical Products by Fermentation of Hydrolyzed Sewage Sludge. Sustainability, 2021, 13, 5499.	3.2	2
61	Effects of oxidising atmosphere on brewer's yeast hydrothermal treatment and subsequent biopolymer recovery. Chemical Engineering Journal, 2021, 421, 127736.	12.7	1
62	Novel Biosorbents from Tunisian Date Palm "Bouhattam" Seeds for Copper(II) Ion Adsorption. Environmental Science and Engineering, 2021, , 809-814.	0.2	1
63	Cu(II) Ions Removal on Functionalized Cellulose Beads from Tunisian Almond (Prunus Dulcis) Shell. Environmental Science and Engineering, 2021, , 65-71.	0.2	0
64	Solubilisation of heavy metals and main macronutrients during the thermal hydrolysis of sewage sludge. , 0, , .		0
65	Recovery of biomolecules of industrial interest from hydrothermally pretreated sewage sludge. , 0, , .		0