

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	A proposal for the classification of sludge products throughout hydrothermal treatment. Chemical Engineering Journal, 2022, 430, 132746.	12.7	11
2	Heterogeneous catalytic ozonation and peroxone-mediated removal of Acetaminophen using natural and modified hematite-rich soil, as efficient and environmentally friendly catalysts. Applied Catalysis B: Environmental, 2022, 301, 120786.	20.2	35
3	Recovery of organic acids from pre-treated Kraft black liquor using ultrafiltration and liquid-liquid extraction. Separation and Purification Technology, 2022, 284, 120274.	7.9	10
4	Separation and purification techniques for the recovery of added-value biocompounds from waste activated sludge. A review. Resources, Conservation and Recycling, 2022, 182, 106327.	10.8	16
5	Kraft black liquor as a renewable source of value-added chemicals. Chemical Engineering Journal, 2022, 448, 137728.	12.7	24
6	Deriving an $\text{Fe}_2\text{O}_3/\text{g-C}_3\text{N}_4$ nanocomposite from a naturally hematite-rich soil, for dual photocatalytic and photo-Fenton degradation of Acetaminophen under visible light. Separation and Purification Technology, 2022, 299, 121723.	7.9	16
7	Enhanced Cu(II) adsorption using sodium trimetaphosphate-modified cellulose beads: equilibrium, kinetics, adsorption mechanisms, and reusability. Environmental Science and Pollution Research, 2021, 28, 46523-46539.	5.3	30
8	Characterisation of the wet oxidation of black liquor for its integration in Kraft paper mills. Chemical Engineering Journal, 2021, 405, 126610.	12.7	21
9	Effects of oxidising atmosphere on brewer's yeast hydrothermal treatment and subsequent biopolymer recovery. Chemical Engineering Journal, 2021, 421, 127736.	12.7	1
10	Novel Biosorbents from Tunisian Date Palm "Bouhattam" Seeds for Copper(II) Ion Adsorption. Environmental Science and Engineering, 2021, , 809-814.	0.2	1
11	Miscibility, corrosion and environmental properties of six hexanoate- and sulfonate-based protic ionic liquids. Journal of Molecular Liquids, 2021, 322, 114561.	4.9	6
12	Cu(II) Ions Removal on Functionalized Cellulose Beads from Tunisian Almond (Prunus Dulcis) Shell. Environmental Science and Engineering, 2021, , 65-71.	0.2	0
13	Biopolymer composite from cellulose nanocrystals of almond (Prunus dulcis) shell as effective adsorbents for Cu^{2+} ions from aqueous solutions. Journal of Environmental Chemical Engineering, 2021, 9, 105139.	6.7	28
14	Heavy metal solubilisation during the hydrothermal treatment of sludge. Journal of Environmental Management, 2021, 286, 112120.	7.8	7
15	Non-Energetic Chemical Products by Fermentation of Hydrolyzed Sewage Sludge. Sustainability, 2021, 13, 5499.	3.2	2
16	Ruthenium on Alkali-exfoliated $\text{Ti}_3\text{(Al}_{0.8}\text{Sn}_{0.2}\text{)}\text{C}_2\text{MAX}$ Phase Catalyses Reduction of 4-Nitroaniline with Ammonia Borane. ChemCatChem, 2021, 13, 3470-3478.	3.7	6
17	Synthesis of a novel, ternary $\text{AgI/CeO}_2/\text{g-C}_3\text{N}_4$ nanocomposite with exceptional stability and reusability for visible light-assisted photocatalytic reduction of hexavalent chromium. Applied Surface Science, 2021, 555, 149692.	6.1	32
18	Radical-based degradation of sulfamethoxazole via UVA/PMS-assisted photocatalysis, driven by magnetically separable $\text{Fe}_3\text{O}_4/\text{CeO}_2/\text{BiOI}$ nanospheres. Separation and Purification Technology, 2021, 267, 118665.	7.9	64

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19	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
20	Macronutrient solubilisation during hydrothermal treatment of sewage sludge. <i>Journal of Water Process Engineering</i> , 2021, 43, 102270.	5.6	9
21	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
22	Eggshell-supported Catalysts for the Advanced Oxidation Treatment of Humic Acid Polluted Wastewaters. <i>Water (Switzerland)</i> , 2020, 12, 100.	2.7	15
23	Physico-chemical pre-treatments of anaerobic digestion liquor for aerobic treatment. <i>Journal of Environmental Management</i> , 2020, 274, 111189.	7.8	7
24	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
25	Towards the Implementation of Circular Economy in the Wastewater Sector: Challenges and Opportunities. <i>Water (Switzerland)</i> , 2020, 12, 1431.	2.7	103
26	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
27	The wet oxidation of aqueous humic acids. <i>Journal of Hazardous Materials</i> , 2020, 396, 122402.	12.4	34
28	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
29	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
30	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
31	Leachates and natural organic matter. A review of their biotreatment using fungi. <i>Waste Management</i> , 2019, 96, 108-120.	7.4	15
32	Hydrothermal processing of Kraft lignin for carboxylic acid production. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 103472.	6.7	8
33	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
34	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
35	Selective Aerobic Oxidation of Lactate to Pyruvate Catalyzed by Vanadium–Nitrogen–Doped Carbon Nanosheets. <i>ChemCatChem</i> , 2019, 11, 3381-3387.	3.7	18
36	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

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37	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
38	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
39	Biodegradation of dissolved humic substances by fungi. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 3497-3511.	3.6	35
40	Easy and Cost Effective Preparation of Cellulose Beads from Almond Shell: Characterization and Application in Copper (II) Adsorption from Aqueous Solutions. <i>Advances in Science, Technology and Innovation</i> , 2018, , 175-177.	0.4	2
41	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
42	Sludge hydrothermal treatments. Oxidising atmosphere effects on biopolymers and physical properties. <i>Journal of Environmental Management</i> , 2018, 206, 284-290.	7.8	24
43	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
44	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
45	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
46	Iron (II) as catalyst for thiocyanate wet oxidation: Mechanism and modelization. <i>Chemical Engineering Journal</i> , 2017, 316, 813-822.	12.7	10
47	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
48	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
49	Development and characterization of egg yolk and egg yolk fractions edible films. <i>Food Hydrocolloids</i> , 2017, 70, 229-239.	10.7	28
50	Protein recovery from solubilized sludge by hydrothermal treatments. <i>Waste Management</i> , 2017, 67, 278-287.	7.4	50
51	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
52	Graphene-family nanomaterials in wastewater treatment plants. <i>Chemical Engineering Journal</i> , 2017, 313, 121-135.	12.7	116
53	Wet oxidation of the structural sludge fractions. <i>Journal of Cleaner Production</i> , 2017, 168, 1163-1170.	9.3	18
54	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

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55	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
56	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
57	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
58	Impact of leachate composition on the advanced oxidation treatment. <i>Water Research</i> , 2016, 88, 389-402.	11.3	55
59	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
60	Simultaneous oxidation of cyanide and thiocyanate at high pressure and temperature. <i>Journal of Hazardous Materials</i> , 2014, 280, 570-578.	12.4	24
61	Wet oxidation of real coke wastewater containing high thiocyanate concentration. <i>Journal of Environmental Management</i> , 2014, 132, 16-23.	7.8	16
62	Kinetics and Pathways of Cyanide Degradation at High Temperatures and Pressures. <i>Environmental Science & Technology</i> , 2013, 47, 130125102728008.	10.0	6
63	Mechanical durability and combustion characteristics of pellets from biomass blends. <i>Bioresource Technology</i> , 2010, 101, 8859-8867.	9.6	186
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