

Elena Cristina Rada

List of Publications by Year in descending order

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Version: 2024-02-01

117
papers

2,409
citations

218381

26
h-index

233125

45
g-index

119
all docs

119
docs citations

119
times ranked

2741
citing authors

#	ARTICLE	IF	CITATIONS
1	Treatment and disposal of tyres: Two EU approaches. A review. <i>Waste Management</i> , 2015, 45, 152-160.	3.7	222
2	Introduction of the circular economy within developing regions: A comparative analysis of advantages and opportunities for waste valorization. <i>Journal of Environmental Management</i> , 2019, 230, 366-378.	3.8	213
3	Integrated municipal solid waste scenario model using advanced pretreatment and waste to energy processes. <i>Energy Conversion and Management</i> , 2013, 76, 1083-1092.	4.4	129
4	Critical Review of the Effects of Glyphosate Exposure to the Environment and Humans through the Food Supply Chain. <i>Sustainability</i> , 2018, 10, 950.	1.6	80
5	RDF/SRF: Which perspective for its future in the EU. <i>Waste Management</i> , 2012, 32, 1059-1060.	3.7	75
6	Sustainable Development and Technological Impact on CO2 Reducing Conditions in Romania. <i>Sustainability</i> , 2015, 7, 1637-1650.	1.6	69
7	Selective collection as a pretreatment for indirect solid recovered fuel generation. <i>Waste Management</i> , 2014, 34, 291-297.	3.7	64
8	Municipal solid waste management during the SARS-COV-2 outbreak and lockdown ease: Lessons from Italy. <i>Science of the Total Environment</i> , 2020, 745, 141159.	3.9	63
9	Management of waste electrical and electronic equipment in two EU countries: A comparison. <i>Waste Management</i> , 2013, 33, 117-122.	3.7	61
10	Potential of non-thermal plasmas for helping the biodegradation of volatile organic compounds (VOCs) released by waste management plants. <i>Journal of Cleaner Production</i> , 2015, 104, 211-219.	4.6	55
11	The Production of Sustainable Concrete with the Use of Alternative Aggregates: A Review. <i>Sustainability</i> , 2020, 12, 7903.	1.6	55
12	Decision support systems for assessing risks involved in transporting hazardous materials: A review. <i>Safety Science</i> , 2017, 92, 1-9.	2.6	52
13	Assessing the air quality impact of nitrogen oxides and benzene from road traffic and domestic heating and the associated cancer risk in an urban area of Verona (Italy). <i>Atmospheric Environment</i> , 2015, 120, 234-243.	1.9	50
14	Effluents from MBT plants: Plasma techniques for the treatment of VOCs. <i>Waste Management</i> , 2014, 34, 2400-2406.	3.7	47
15	Air pollution control through biotrickling filters: a review considering operational aspects and expected performance. <i>Critical Reviews in Biotechnology</i> , 2016, 36, 1143-1155.	5.1	47
16	Management of atmospheric pollutants from waste incineration processes: the case of Bozen. <i>Waste Management and Research</i> , 2013, 31, 235-240.	2.2	44
17	Sewage sludge drying by energy recovery from OFMSW composting: Preliminary feasibility evaluation. <i>Waste Management</i> , 2014, 34, 859-866.	3.7	39
18	Analysis and Measures to Improve Waste Management in Schools. <i>Sustainability</i> , 2016, 8, 840.	1.6	38

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19	Ailanthus Altissima and Phragmites Australis for chromium removal from a contaminated soil. Environmental Science and Pollution Research, 2016, 23, 15983-15989.	2.7	37
20	Optimizing the Methodology of Characterization of Municipal Solid Waste in EU Under a Circular Economy Perspective. Energy Procedia, 2017, 119, 72-85.	1.8	37
21	Experiencing Urban Mining in an Italian Municipality towards a Circular Economy vision. Energy Procedia, 2017, 119, 192-200.	1.8	37
22	Selective Collection Quality Index for Municipal Solid Waste Management. Sustainability, 2018, 10, 257.	1.6	37
23	Management of Municipal Solid Waste in One of the Galapagos Islands. Sustainability, 2014, 6, 9080-9095.	1.6	34
24	Assessment of Biological Kinetics in a Conventional Municipal WWTP by Means of the Oxygen Uptake Rate Method. Sustainability, 2014, 6, 1833-1847.	1.6	32
25	Critical analysis of the integration of residual municipal solid waste incineration and selective collection in two Italian tourist areas. Waste Management and Research, 2014, 32, 551-555.	2.2	29
26	Anaerobic digestion as sustainable source of energy: A dynamic approach for improving the recovery of organic waste. Energy Procedia, 2017, 119, 602-614.	1.8	29
27	Disinfection of Wastewater by UV-Based Treatment for Reuse in a Circular Economy Perspective. Where Are We at?. International Journal of Environmental Research and Public Health, 2021, 18, 77.	1.2	29
28	Good Practices and Actions for Sustainable Municipal Solid Waste Management in the Tourist Sector. Resources, 2018, 7, 51.	1.6	27
29	Rational Behavior of an Enterprise in the Energy Market in a Circular Economy. Resources, 2019, 8, 73.	1.6	27
30	Energy recovery from Municipal Solid Waste in EU: proposals to assess the management performance under a circular economy perspective. MATEC Web of Conferences, 2017, 121, 05006.	0.1	26
31	Analysis of Electro-Oxidation Suitability for Landfill Leachate Treatment through an Experimental Study. Sustainability, 2013, 5, 3960-3975.	1.6	25
32	Foams in Wastewater Treatment Plants: From Causes to Control Methods. Applied Sciences (Switzerland), 2020, 10, 2716.	1.3	25
33	Horizontal Flow Constructed Wetland for Greywater Treatment and Reuse: An Experimental Case. International Journal of Environmental Research and Public Health, 2020, 17, 2317.	1.2	23
34	A COMPARISON BETWEEN DIFFERENT SCENARIOS OF ROMANIAN MUNICIPAL SOLID WASTE TREATMENT BEFORE LANDFILLING. Environmental Engineering and Management Journal, 2010, 9, 589-596.	0.2	23
35	MUNICIPAL SOLID WASTE SORTING AND TREATMENT SCHEMES FOR THE MAXIMIZATION OF MATERIAL AND ENERGY RECOVERY IN A LATEST EU MEMBER. Environmental Engineering and Management Journal, 2015, 14, 2537-2544.	0.2	23
36	Treatment of slaughterhouse wastewaters using anaerobic filters. Environmental Technology (United Kingdom), 2014, 35, 322-332.	1.2	22

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37	Remediation of Soil Polluted by Organic Compounds Through Chemical Oxidation and Phytoremediation Combined with DCT. International Journal of Environmental Research and Public Health, 2019, 16, 3179.	1.2	22
38	A regulatory strategy for the emission control of hexavalent chromium from waste-to-energy plants. Journal of Cleaner Production, 2021, 278, 123415.	4.6	22
39	Assessment of arsenic removal efficiency by an iron oxide-coated sand filter process. Environmental Science and Pollution Research, 2018, 25, 26135-26143.	2.7	20
40	Modelling the Potential Biogas Productivity Range from a MSW Landfill for Its Sustainable Exploitation. Sustainability, 2015, 7, 482-495.	1.6	19
41	Management of Urban Wastewater on One of the Galapagos Islands. Sustainability, 2016, 8, 208.	1.6	19
42	Sustainability of the Urban Transport System under Changes in Weather and Road Conditions Affecting Vehicle Operation. Sustainability, 2018, 10, 2052.	1.6	19
43	Laboratory-scale anaerobic sequencing batch reactor for treatment of stillage from fruit distillation. Water Science and Technology, 2013, 67, 1068-1074.	1.2	18
44	ENERGY AND SUSTAINABILITY ASSESSMENT OF MUNICIPAL WASTEWATER TREATMENT UNDER CIRCULAR ECONOMY PARADIGM. WIT Transactions on Ecology and the Environment, 2019, , .	0.0	18
45	Remediation in Situ of Hydrocarbons by Combined Treatment in a Contaminated Alluvial Soil due to an Accidental Spill of LNAPL. Sustainability, 2016, 8, 1086.	1.6	15
46	Potential environmental benefits of direct electric heating powered by waste-to-energy processes as a replacement of solid-fuel combustion in semi-rural and remote areas. Science of the Total Environment, 2020, 740, 140078.	3.9	15
47	Role of levoglucosan as a tracer of wood combustion in an alpine region. Environmental Technology (United Kingdom), 2012, 33, 989-994.	1.2	14
48	Comparison between conventional biofilters and biotrickling filters applied to waste bio-drying in terms of atmospheric dispersion and air quality. Environmental Technology (United Kingdom), 2016, 37, 975-982.	1.2	14
49	Adsorption of Fluorides in Drinking Water by Palm Residues. Sustainability, 2020, 12, 3786.	1.6	14
50	Present and future of SRF. Waste Management, 2016, 47, 155-156.	3.7	13
51	State of the art and advances in the impact assessment of dioxins and dioxin-like compounds. Environmental Monitoring and Assessment, 2016, 188, 57.	1.3	12
52	Risk Assessment in a Materials Recycling Facility: Perspectives for Reducing Operational Issues. Resources, 2018, 7, 85.	1.6	12
53	How Should We Measure? A Review of Circular Cities Indicators. International Journal of Environmental Research and Public Health, 2022, 19, 5177.	1.2	12
54	MSW Management in Universities: Sharing Best Practices. Sustainability, 2020, 12, 5084.	1.6	11

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55	Public Attitude towards Nuclear and Renewable Energy as a Factor of Their Development in a Circular Economy Frame: Two Case Studies. Sustainability, 2022, 14, 1283.	1.6	11
56	Factors Affecting Spatial and Temporal Concentration Variability of Pharmaceuticals: Comparison between Two WWTPs. Sustainability, 2017, 9, 1466.	1.6	10
57	The Sensitivity of a Specific Denitrification Rate under the Dissolved Oxygen Pressure. International Journal of Environmental Research and Public Health, 2020, 17, 9366.	1.2	10
58	Respirometric Index and Biogas Potential of Different Foods and Agricultural Discarded Biomass. Sustainability, 2016, 8, 1311.	1.6	9
59	Investigation on the Possibility of Increasing the Environmental Safety and Fuel Efficiency of Vehicles by Means of Gasoline Nano-Additive. Sustainability, 2019, 11, 2165.	1.6	8
60	Applications of Up-Flow Anaerobic Sludge Blanket (UASB) and Characteristics of Its Microbial Community: A Review of Bibliometric Trend and Recent Findings. International Journal of Environmental Research and Public Health, 2021, 18, 10326.	1.2	8
61	TOWARDS THE SUSTAINABLE MANAGEMENT OF AIR QUALITY AND HUMAN EXPOSURE: EXEMPLARY CASE STUDIES. WIT Transactions on Ecology and the Environment, 2018, , .	0.0	8
62	IMPROVING THE APPROACH TO EFFICIENCY ASSESSMENT OF INVESTMENT PROJECTS IN THE ENERGY SECTOR. WIT Transactions on Ecology and the Environment, 2020, , .	0.0	8
63	SPECIAL WASTE VALORIZATION AND RENEWABLE ENERGY GENERATION UNDER A CIRCULAR ECONOMY: WHICH PRIORITIES?. WIT Transactions on Ecology and the Environment, 2018, , .	0.0	8
64	EVALUATING GLOBAL MUNICIPAL SOLID WASTE MANAGEMENT EFFICIENCY FROM A CIRCULAR ECONOMY POINT OF VIEW. WIT Transactions on Ecology and the Environment, 2021, , .	0.0	8
65	Local Actions for Reducing Global Greenhouse Gas Footprint: 10 Years of Covenant of Mayors Initiative. International Journal of Sustainable Development and Planning, 2020, 20, 247-252.	0.3	7
66	Green energy development in an industrial region: A case-study of Sverdlovsk region. Energy Reports, 2021, 7, 137-148.	2.5	7
67	Respirometric index as a tool for biogas generation production from poultry manure. Management of Environmental Quality, 2016, 27, 269-280.	2.2	6
68	Evaluation of conventional and alternative anaerobic digestion technologies for applications to small and rural communities. Waste Management, 2020, 118, 79-89.	3.7	6
69	A Model for Mass and Energy Balances of Bio-Drying. , 2011, , .		5
70	The performance evaluation of wastewater service: a protocol based on performance indicators applied to sewer systems and wastewater treatment plants. Environmental Technology (United Tj ETQq0 0 0 rgBT10verlock510 Tf 50 1.	1.0	5
71	CLIMATE CHANGE MITIGATION: HYPOTHESIS-FORMULATION AND ANALYSIS OF INTERVENTIONS. WIT Transactions on Ecology and the Environment, 2018, , .	0.0	5
72	Unconventional small-scale biogas production with reduced local impact. International Journal of Energy Production and Management, 2019, 4, 198-208.	1.9	5

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73	Dioxin Contamination after a Hypothetical Accidental Fire in Baled Municipal Solid Waste Storage. <i>Revista De Chimie (discontinued)</i> , 2018, 69, 997-1001.	0.2	5
74	Environmental and managerial advantages of treatment plants exploiting biogas from food waste. <i>International Journal of Energy Production and Management</i> , 2018, 3, 292-306.	1.9	5
75	INTEGRATED METHODOLOGY FOR THE MANAGEMENT OF HUMAN EXPOSURE TO AIR POLLUTANTS. <i>WIT Transactions on Ecology and the Environment</i> , 2019, , .	0.0	4
76	Sustainable Energy Management Benchmark at Wastewater Treatment Plant. <i>Sustainability</i> , 2021, 13, 12885.	1.6	4
77	Renewable sources and its applications awareness in educational institutions. , 2019, , .		3
78	Energy and material assessment of municipal sewage sludge applications under circular economy. <i>International Journal of Energy Production and Management</i> , 2020, 5, 234-244.	1.9	3
79	CRITICALITIES AND POTENTIALITIES OF LOCAL RENEWABLE SOURCES OF ENERGY. , 2018, , .		3
80	PLANNING SUSTAINABILITY IN HIGHER EDUCATION: THREE CASE STUDIES. <i>WIT Transactions on Ecology and the Environment</i> , 2021, , .	0.0	3
81	APPROACHES TO THE ASSESSMENT OF ECOLOGICAL AND ECONOMIC EFFICIENCY OF INVESTMENT PROJECTS: BRIEF REVIEW AND RECOMMENDATIONS FOR IMPROVEMENTS. <i>WIT Transactions on Ecology and the Environment</i> , 2021, , .	0.0	3
82	Characterization of metals in air and soil near a steel making plant in the North part of Italy. <i>Management of Environmental Quality</i> , 2016, 27, 441-451.	2.2	2
83	Characterization of fine and ultrafine particles in air near a steel making plant: an Italian case. <i>Management of Environmental Quality</i> , 2016, 27, 350-363.	2.2	2
84	Unconventional Reducing Gases Monitoring in Everyday Places. <i>Energy Procedia</i> , 2017, 119, 3-9.	1.8	2
85	Individual risk evaluation and interventions for mitigation in the transportation of hazardous goods: a case study. <i>MATEC Web of Conferences</i> , 2017, 121, 06008.	0.1	2
86	Consumption of Free Chlorine in an Aqueduct Scheme with Low Protection: Case Study of the New Aqueduct Simbrivio-Castelli (NASC), Italy. <i>Water (Switzerland)</i> , 2018, 10, 127.	1.2	2
87	Zooming on light packaging waste differences by scanning electron microscopy. <i>Environmental Science and Pollution Research</i> , 2020, 28, 59076-59082.	2.7	2
88	PERSPECTIVES OF STACK AND ENVIRONMENTAL MONITORING IN THE SURROUNDINGS OF A WASTE-TO-ENERGY PLANT. <i>WIT Transactions on Ecology and the Environment</i> , 2019, , .	0.0	2
89	Smart monitoring of benzene through an urban mobile phone network. <i>International Journal of Sustainable Development and Planning</i> , 2017, 12, 552-558.	0.3	2
90	Potentials of the waste-to-energy sector for an unconventional district heating system. <i>International Journal of Energy Production and Management</i> , 2019, 4, 115-123.	1.9	2

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91	Local environmental impact of wood combustion in agro-tourism structures. , 2017, , .		1
92	Chapter 1 Perspectives of Low-Cost Sensors Adoption for Air Quality Monitoring. , 2016, , 1-14.		1
93	GREENHOUSE EFFECT REDUCTION THROUGH MINE METHANE VALORIZATION: OVERVIEW AND FEASIBILITY STUDY. Environmental Engineering and Management Journal, 2017, 16, 1257-1262.	0.2	1
94	ENVIRONMENTAL ADVANTAGES OF TREATMENT PLANTS GENERATING BIOMETHANE FROM FOOD WASTE. , 2017, , .		1
95	SCALING UP THE INNOVATION PROCESS IN THE ENERGY SECTOR ON THE BASIS OF TECHNOLOGY ENTREPRENEURSHIP. WIT Transactions on Ecology and the Environment, 2018, , .	0.0	1
96	STUDENTSâ€™ ATTITUDES TOWARDS NUCLEAR ENERGY: RUSSIAN AND ITALIAN EXPERIENCE. WIT Transactions on Ecology and the Environment, 2019, , .	0.0	1
97	Some considerations on indoor and outdoor impacts of different ways of pm release and odour emission in industrial sectors. International Symposium the Environmental and the Industry, 2019, , 325-332.	0.0	1
98	COMPOSTING STRATEGY FOR DEVELOPING CITIES: A CASE STUDY OF BEIRA, MOZAMBIQUE. WIT Transactions on Ecology and the Environment, 2020, , .	0.0	1
99	MSW Management in a Lacustrine Area: Circular Economy Criteria and Effects of COVID-19 Emergency. , 2021, , .		1
100	CIRCULAR ECONOMY CONCEPTS APPLIED TO WASTE ANAEROBIC DIGESTION PLANTS. , 2021, , .		1
101	Optimization of Anaerobic Waste Management Systems. , 2017, , 69-86.		0
102	Importance of Experimental Tests for the Determination of Modeling Parameters in Fire Safety Engineering. MATEC Web of Conferences, 2019, 290, 12025.	0.1	0
103	Some considerations on circular economy, municipal solid waste and occupational risk. MATEC Web of Conferences, 2020, 305, 00068.	0.1	0
104	Parameters analysis for a sustainable management of solid waste in university buildings. MATEC Web of Conferences, 2020, 305, 00054.	0.1	0
105	Preliminary criteria for the energy sector: environmental and economic efficiency of investment projects. MATEC Web of Conferences, 2021, 343, 07014.	0.1	0
106	Removal and Survival of Fecal Indicators in a Constructed Wetland after UASB Pre-Treatment. Sustainability, 2021, 13, 9302.	1.6	0
107	Chapter 1. Some Considerations on the Environmental Impact of Highway Traffic. , 2016, , 3-16.		0
108	Chapter 3 Management of Atmospheric Pollutants from Waste Incineration Processes: The Case of Bozen. , 2016, , 45-60.		0

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109	Chapter 7 Deposition Near a Sintering Plant. , 2016, , 131-140.		0
110	Chapter 9 Modelling Human Exposure to Air Pollutants in an Urban Area. , 2016, , 161-176.		0
111	Chapter 3 A Critical Analysis of Emissions and Atmospheric Dispersion of Pollutants from Plants for the Treatment of Residual Municipal Solid Waste. , 2016, , 25-40.		0
112	Chapter 2 Role of Feedstock Transport in the Balance of Primary PM Emissions in Two Case-Studies: RMSW Incineration vs. Sintering Plant. , 2016, , 13-24.		0
113	SMART MONITORING OF BENZENE THROUGH AN URBAN MOBILE PHONE NETWORK. WIT Transactions on State-of-the-art in Science and Engineering, 2016, , 196-202.	0.0	0
114	OPPORTUNITIES FOR THE ENERGY SECTOR FROM UNCONVENTIONAL ENVIRONMENTAL ANALYSES AND SENSORS. , 2017, , .		0
115	A METHODOLOGY TO SUPPORT DECISIONS TOWARDS ECONOMIC AND ENVIRONMENTAL SUSTAINABILITY IN PUBLIC CONTEXTS: APPLICATION TO HAND-DRYING OPTIONS. , 2018, , .		0
116	HEAVY METALS EMISSIONS TO AIR FROM INDUSTRIAL PLANTS: CRITICALITIES AND SOLUTIONS. , 2018, , .		0
117	MODELLING THE SOURCE TERM FOR POLLUTANTS GENERATED FROM GALVANIC CELLS. Environmental Engineering and Management Journal, 2019, 18, 907-920.	0.2	0