

# Elena Cristina Rada

## List of Publications by Citations

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96  
papers

1,647  
citations

23  
h-index

37  
g-index

119  
ext. papers

1,938  
ext. citations

4  
avg, IF

5.33  
L-index

#	Paper	IF	Citations
96	Treatment and disposal of tyres: Two EU approaches. A review. <i>Waste Management</i> , <b>2015</b> , 45, 152-60	8.6	167
95	Introduction of the circular economy within developing regions: A comparative analysis of advantages and opportunities for waste valorization. <i>Journal of Environmental Management</i> , <b>2019</b> , 230, 366-378	7.9	129
94	Integrated municipal solid waste scenario model using advanced pretreatment and waste to energy processes. <i>Energy Conversion and Management</i> , <b>2013</b> , 76, 1083-1092	10.6	102
93	Sustainable Development and Technological Impact on CO2 Reducing Conditions in Romania. <i>Sustainability</i> , <b>2015</b> , 7, 1637-1650	3.6	58
92	Management of waste electrical and electronic equipment in two EU countries: a comparison. <i>Waste Management</i> , <b>2013</b> , 33, 117-22	8.6	53
91	Critical Review of the Effects of Glyphosate Exposure to the Environment and Humans through the Food Supply Chain. <i>Sustainability</i> , <b>2018</b> , 10, 950	3.6	51
90	Selective collection as a pretreatment for indirect solid recovered fuel generation. <i>Waste Management</i> , <b>2014</b> , 34, 291-7	8.6	50
89	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> , <b>2015</b> , 104, 211-219	10.3	43
88	Air pollution control through biotrickling filters: a review considering operational aspects and expected performance. <i>Critical Reviews in Biotechnology</i> , <b>2016</b> , 36, 1143-1155	9.4	40
87	Municipal solid waste management during the SARS-COV-2 outbreak and lockdown ease: Lessons from Italy. <i>Science of the Total Environment</i> , <b>2020</b> , 745, 141159	10.2	40
86	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> , <b>2015</b> , 120, 234-243	5.3	39
85	Decision support systems for assessing risks involved in transporting hazardous materials: A review. <i>Safety Science</i> , <b>2017</b> , 92, 1-9	5.8	38
84	Effluents from MBT plants: plasma techniques for the treatment of VOCs. <i>Waste Management</i> , <b>2014</b> , 34, 2400-6	8.6	36
83	Sewage sludge drying by energy recovery from OFMSW composting: preliminary feasibility evaluation. <i>Waste Management</i> , <b>2014</b> , 34, 859-66	8.6	34
82	Ailanthus Altissima and Phragmites Australis for chromium removal from a contaminated soil. <i>Environmental Science and Pollution Research</i> , <b>2016</b> , 23, 15983-9	5.1	32
81	Management of atmospheric pollutants from waste incineration processes: the case of Bozen. <i>Waste Management and Research</i> , <b>2013</b> , 31, 235-40	4	32
80	Optimizing the Methodology of Characterization of Municipal Solid Waste in EU Under a Circular Economy Perspective. <i>Energy Procedia</i> , <b>2017</b> , 119, 72-85	2.3	30

79	Selective Collection Quality Index for Municipal Solid Waste Management. <i>Sustainability</i> , <b>2018</b> , 10, 257	3.6	27
78	Management of Municipal Solid Waste in One of the Galapagos Islands. <i>Sustainability</i> , <b>2014</b> , 6, 9080-9095	3.6	27
77	Experiencing Urban Mining in an Italian Municipality towards a Circular Economy vision. <i>Energy Procedia</i> , <b>2017</b> , 119, 192-200	2.3	26
76	Assessment of Biological Kinetics in a Conventional Municipal WWTP by Means of the Oxygen Uptake Rate Method. <i>Sustainability</i> , <b>2014</b> , 6, 1833-1847	3.6	25
75	The Production of Sustainable Concrete with the Use of Alternative Aggregates: A Review. <i>Sustainability</i> , <b>2020</b> , 12, 7903	3.6	25
74	Anaerobic digestion as sustainable source of energy: A dynamic approach for improving the recovery of organic waste. <i>Energy Procedia</i> , <b>2017</b> , 119, 602-614	2.3	23
73	Critical analysis of the integration of residual municipal solid waste incineration and selective collection in two Italian tourist areas. <i>Waste Management and Research</i> , <b>2014</b> , 32, 551-5	4	22
72	Analysis and Measures to Improve Waste Management in Schools. <i>Sustainability</i> , <b>2016</b> , 8, 840	3.6	22
71	Treatment of slaughterhouse wastewaters using anaerobic filters. <i>Environmental Technology (United Kingdom)</i> , <b>2014</b> , 35, 322-32	2.6	18
70	Modelling the Potential Biogas Productivity Range from a MSW Landfill for Its Sustainable Exploitation. <i>Sustainability</i> , <b>2015</b> , 7, 482-495	3.6	18
69	Analysis of Electro-Oxidation Suitability for Landfill Leachate Treatment through an Experimental Study. <i>Sustainability</i> , <b>2013</b> , 5, 3960-3975	3.6	18
68	Rational Behavior of an Enterprise in the Energy Market in a Circular Economy. <i>Resources</i> , <b>2019</b> , 8, 73	3.7	17
67	MUNICIPAL SOLID WASTE SORTING AND TREATMENT SCHEMES FOR THE MAXIMIZATION OF MATERIAL AND ENERGY RECOVERY IN A LATEST EU MEMBER. <i>Environmental Engineering and Management Journal</i> , <b>2015</b> , 14, 2537-2544	0.6	17
66	Good Practices and Actions for Sustainable Municipal Solid Waste Management in the Tourist Sector. <i>Resources</i> , <b>2018</b> , 7, 51	3.7	15
65	Energy recovery from Municipal Solid Waste in EU: proposals to assess the management performance under a circular economy perspective. <i>MATEC Web of Conferences</i> , <b>2017</b> , 121, 05006	0.3	14
64	A COMPARISON BETWEEN DIFFERENT SCENARIOS OF ROMANIAN MUNICIPAL SOLID WASTE TREATMENT BEFORE LANDFILLING. <i>Environmental Engineering and Management Journal</i> , <b>2010</b> , 9, 589-596	0.6	14
63	Disinfection of Wastewater by UV-Based Treatment for Reuse in a Circular Economy Perspective. Where Are We at?. <i>International Journal of Environmental Research and Public Health</i> , <b>2020</b> , 18,	4.6	14
62	Remediation of Soil Polluted by Organic Compounds Through Chemical Oxidation and Phytoremediation Combined with DCT. <i>International Journal of Environmental Research and Public Health</i> , <b>2019</b> , 16,	4.6	13

61	Management of Urban Wastewater on One of the Galapagos Islands. <i>Sustainability</i> , <b>2016</b> , 8, 208	3.6	13
60	Comparison between conventional biofilters and biotrickling filters applied to waste bio-drying in terms of atmospheric dispersion and air quality. <i>Environmental Technology (United Kingdom)</i> , <b>2016</b> , 37, 975-82	2.6	12
59	Sustainability of the Urban Transport System under Changes in Weather and Road Conditions Affecting Vehicle Operation. <i>Sustainability</i> , <b>2018</b> , 10, 2052	3.6	12
58	Laboratory-scale anaerobic sequencing batch reactor for treatment of stillage from fruit distillation. <i>Water Science and Technology</i> , <b>2013</b> , 67, 1068-74	2.2	12
57	Assessment of arsenic removal efficiency by an iron oxide-coated sand filter process. <i>Environmental Science and Pollution Research</i> , <b>2018</b> , 25, 26135-26143	5.1	12
56	Foams in Wastewater Treatment Plants: From Causes to Control Methods. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 2716	2.6	10
55	Adsorption of Fluorides in Drinking Water by Palm Residues. <i>Sustainability</i> , <b>2020</b> , 12, 3786	3.6	10
54	ENERGY AND SUSTAINABILITY ASSESSMENT OF MUNICIPAL WASTEWATER TREATMENT UNDER CIRCULAR ECONOMY PARADIGM <b>2019</b> ,		10
53	Remediation in Situ of Hydrocarbons by Combined Treatment in a Contaminated Alluvial Soil due to an Accidental Spill of LNAPL. <i>Sustainability</i> , <b>2016</b> , 8, 1086	3.6	10
52	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. <i>Science of the Total Environment</i> , <b>2020</b> , 740, 140078	10.2	9
51	Respirometric Index and Biogas Potential of Different Foods and Agricultural Discarded Biomass. <i>Sustainability</i> , <b>2016</b> , 8, 1311	3.6	9
50	Horizontal Flow Constructed Wetland for Greywater Treatment and Reuse: An Experimental Case. <i>International Journal of Environmental Research and Public Health</i> , <b>2020</b> , 17,	4.6	9
49	Factors Affecting Spatial and Temporal Concentration Variability of Pharmaceuticals: Comparison between Two WWTPs. <i>Sustainability</i> , <b>2017</b> , 9, 1466	3.6	8
48	Role of levoglucosan as a tracer of wood combustion in an alpine region. <i>Environmental Technology (United Kingdom)</i> , <b>2012</b> , 33, 989-94	2.6	8
47	Risk Assessment in a Materials Recycling Facility: Perspectives for Reducing Operational Issues. <i>Resources</i> , <b>2018</b> , 7, 85	3.7	8
46	The Sensitivity of a Specific Denitrification Rate under the Dissolved Oxygen Pressure. <i>International Journal of Environmental Research and Public Health</i> , <b>2020</b> , 17,	4.6	7
45	State of the art and advances in the impact assessment of dioxins and dioxin-like compounds. <i>Environmental Monitoring and Assessment</i> , <b>2016</b> , 188, 57	3.1	7
44	A regulatory strategy for the emission control of hexavalent chromium from waste-to-energy plants. <i>Journal of Cleaner Production</i> , <b>2021</b> , 278, 123415	10.3	7

43	Local Actions for Reducing Global Greenhouse Gas Footprint: 10 Years of Covenant of Mayors Initiative. <i>International Journal of Sustainable Development and Planning</i> , <b>2020</b> , 20, 247-252	2	6
42	TOWARDS THE SUSTAINABLE MANAGEMENT OF AIR QUALITY AND HUMAN EXPOSURE: EXEMPLARY CASE STUDIES <b>2018</b> ,		6
41	A Model for Mass and Energy Balances of Bio-Drying <b>2011</b> ,		5
40	SPECIAL WASTE VALORIZATION AND RENEWABLE ENERGY GENERATION UNDER A CIRCULAR ECONOMY: WHICH PRIORITIES? <b>2018</b> ,		5
39	Dioxin Contamination after a Hypothetical Accidental Fire in Baled Municipal Solid Waste Storage. <i>Revista De Chimie (discontinued)</i> , <b>2018</b> , 69, 997-1001	1.8	5
38	Respirometric index as a tool for biogas generation production from poultry manure. <i>Management of Environmental Quality</i> , <b>2016</b> , 27, 269-280	3.6	5
37	Investigation on the Possibility of Increasing the Environmental Safety and Fuel Efficiency of Vehicles by Means of Gasoline Nano-Additive. <i>Sustainability</i> , <b>2019</b> , 11, 2165	3.6	4
36	MSW Management in Universities: Sharing Best Practices. <i>Sustainability</i> , <b>2020</b> , 12, 5084	3.6	4
35	CLIMATE CHANGE MITIGATION: HYPOTHESIS-FORMULATION AND ANALYSIS OF INTERVENTIONS <b>2018</b> ,		4
34	IMPROVING THE APPROACH TO EFFICIENCY ASSESSMENT OF INVESTMENT PROJECTS IN THE ENERGY SECTOR <b>2020</b> ,		4
33	Evaluation of conventional and alternative anaerobic digestion technologies for applications to small and rural communities. <i>Waste Management</i> , <b>2020</b> , 118, 79-89	8.6	4
32	Green energy development in an industrial region: A case-study of Sverdlovsk region. <i>Energy Reports</i> , <b>2021</b> , 7, 137-148	4.6	2
31	Unconventional small-scale biogas production with reduced local impact. <i>International Journal of Energy Production and Management</i> , <b>2019</b> , 4, 198-208	5.3	2
30	Energy and material assessment of municipal sewage sludge applications under circular economy. <i>International Journal of Energy Production and Management</i> , <b>2020</b> , 5, 234-244	5.3	2
29	Environmental and managerial advantages of treatment plants exploiting biogas from food waste. <i>International Journal of Energy Production and Management</i> , <b>2018</b> , 3, 292-306	5.3	2
28	The performance evaluation of wastewater service: a protocol based on performance indicators applied to sewer systems and wastewater treatment plants. <i>Environmental Technology (United Kingdom)</i> , <b>2021</b> , 1-18	2.6	2
27	Characterization of fine and ultrafine particles in air near a steel making plant: an Italian case. <i>Management of Environmental Quality</i> , <b>2016</b> , 27, 350-363	3.6	2
26	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> , <b>2018</b> , 10, 127	3	1

25	Individual risk evaluation and interventions for mitigation in the transportation of hazardous goods: a case study. <i>MATEC Web of Conferences</i> , <b>2017</b> , 121, 06008	0.3	1
24	Public Attitude towards Nuclear and Renewable Energy as a Factor of Their Development in a Circular Economy Frame: Two Case Studies. <i>Sustainability</i> , <b>2022</b> , 14, 1283	3.6	1
23	Chapter 1 Perspectives of Low-Cost Sensors Adoption for Air Quality Monitoring <b>2016</b> , 1-14		1
22	GREENHOUSE EFFECT REDUCTION THROUGH MINE METHANE VALORIZATION: OVERVIEW AND FEASIBILITY STUDY. <i>Environmental Engineering and Management Journal</i> , <b>2017</b> , 16, 1257-1262	0.6	1
21	Some considerations on indoor and outdoor impacts of different ways of pm release and odour emission in industrial sectors. <i>International Symposium the Environmental and the Industry</i> , <b>2019</b> , 325-332 <sup>0</sup>		1
20	Characterization of metals in air and soil near a steel making plant in the North part of Italy. <i>Management of Environmental Quality</i> , <b>2016</b> , 27, 441-451	3.6	1
19	Renewable sources and its applications awareness in educational institutions <b>2019</b> ,		1
18	Zooming on light packaging waste differences by scanning electron microscopy. <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 28, 59076-59082	5.1	1
17	Applications of Up-Flow Anaerobic Sludge Blanket (UASB) and Characteristics of Its Microbial Community: A Review of Bibliometric Trend and Recent Findings. <i>International Journal of Environmental Research and Public Health</i> , <b>2021</b> , 18,	4.6	1
16	Unconventional Reducing Gases Monitoring in Everyday Places. <i>Energy Procedia</i> , <b>2017</b> , 119, 3-9	2.3	0
15	Some considerations on circular economy, municipal solid waste and occupational risk. <i>MATEC Web of Conferences</i> , <b>2020</b> , 305, 00068	0.3	
14	Importance of Experimental Tests for the Determination of Modeling Parameters in Fire Safety Engineering. <i>MATEC Web of Conferences</i> , <b>2019</b> , 290, 12025	0.3	
13	Optimization of Anaerobic Waste Management Systems <b>2017</b> , 69-86		
12	Sustainable Energy Management Benchmark at Wastewater Treatment Plant. <i>Sustainability</i> , <b>2021</b> , 13, 12885	3.6	
11	MODELLING THE SOURCE TERM FOR POLLUTANTS GENERATED FROM GALVANIC CELLS. <i>Environmental Engineering and Management Journal</i> , <b>2019</b> , 18, 907-920	0.6	
10	Chapter 1. Some Considerations on the Environmental Impact of Highway Traffic <b>2016</b> , 3-16		
9	Chapter 3 Management of Atmospheric Pollutants from Waste Incineration Processes: The Case of Bozen <b>2016</b> , 45-60		
8	Chapter 7 Deposition Near a Sintering Plant <b>2016</b> , 131-140		

- 7 Chapter 9 Modelling Human Exposure to Air Pollutants in an Urban Area **2016**, 161-176
- 6 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
- 5 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
- 4 SMART MONITORING OF BENZENE THROUGH AN URBAN MOBILE PHONE NETWORK. *WIT Transactions on State-of-the-art in Science and Engineering*, **2016**, 196-202
- 3 Parameters analysis for a sustainable management of solid waste in university buildings. *MATEC Web of Conferences*, **2020**, 305, 00054 0.3
- 2 Preliminary criteria for the energy sector: environmental and economic efficiency of investment projects. *MATEC Web of Conferences*, **2021**, 343, 07014 0.3
- 1 Removal and Survival of Fecal Indicators in a Constructed Wetland after UASB Pre-Treatment. *Sustainability*, **2021**, 13, 9302 3.6