

Costas A Velis

List of Publications by Year in descending order

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Version: 2024-02-01

49
papers

6,412
citations

185998

28
h-index

214527

47
g-index

57
all docs

57
docs citations

57
times ranked

6151
citing authors

#	ARTICLE	IF	CITATIONS
1	An overview of chemical additives present in plastics: Migration, release, fate and environmental impact during their use, disposal and recycling. <i>Journal of Hazardous Materials</i> , 2018, 344, 179-199.	6.5	2,087
2	Evaluating scenarios toward zero plastic pollution. <i>Science</i> , 2020, 369, 1455-1461.	6.0	739
3	Role of informal sector recycling in waste management in developing countries. <i>Habitat International</i> , 2006, 30, 797-808.	2.3	650
4	Challenges and opportunities associated with waste management in India. <i>Royal Society Open Science</i> , 2017, 4, 160764.	1.1	358
5	Comparative analysis of solid waste management in 20 cities. <i>Waste Management and Research</i> , 2012, 30, 237-254.	2.2	318
6	Biodrying for mechanicalâ€”biological treatment of wastes: A review of process science and engineering. <i>Bioresource Technology</i> , 2009, 100, 2747-2761.	4.8	222
7	Metrics for optimising the multi-dimensional value of resources recovered from waste in a circular economy: A critical review. <i>Journal of Cleaner Production</i> , 2017, 166, 910-938.	4.6	185
8	A pathway to circular economy: Developing a conceptual framework for complex value assessment of resources recovered from waste. <i>Journal of Cleaner Production</i> , 2017, 168, 1279-1288.	4.6	176
9	â€”Wasteawareâ€” benchmark indicators for integrated sustainable waste management in cities. <i>Waste Management</i> , 2015, 35, 329-342.	3.7	168
10	Waste management â€” still a global challenge in the 21st century: An evidence-based call for action. <i>Waste Management and Research</i> , 2015, 33, 1049-1051.	2.2	142
11	An analytical framework and tool (â€” <i>InteRa</i> â€”) for integrating the informal recycling sector in waste and resource management systems in developing countries. <i>Waste Management and Research</i> , 2012, 30, 43-66.	2.2	136
12	Production and Quality Assurance of Solid Recovered Fuels Using Mechanicalâ€”Biological Treatment (MBT) of Waste: A Comprehensive Assessment. <i>Critical Reviews in Environmental Science and Technology</i> , 2010, 40, 979-1105.	6.6	94
13	Post-consumer plastic packaging waste in England: Assessing the yield of multiple collection-recycling schemes. <i>Waste Management</i> , 2018, 75, 149-159.	3.7	91
14	Mismanagement of Plastic Waste through Open Burning with Emphasis on the Global South: A Systematic Review of Risks to Occupational and Public Health. <i>Environmental Science & Technology</i> , 2021, 55, 7186-7207.	4.6	85
15	Integrated sustainable waste management in developing countries. <i>Proceedings of Institution of Civil Engineers: Waste and Resource Management</i> , 2013, 166, 52-68.	0.9	82
16	Waste pickers in Global South: Informal recycling sector in a circular economy era. <i>Waste Management and Research</i> , 2017, 35, 329-331.	2.2	77
17	Technical properties of biomass and solid recovered fuel (SRF) co-fired with coal: Impact on multi-dimensional resource recovery value. <i>Waste Management</i> , 2018, 73, 535-545.	3.7	73
18	Fully integrated modelling for sustainability assessment of resource recovery from waste. <i>Science of the Total Environment</i> , 2018, 612, 613-624.	3.9	57

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19	Solid Recovered Fuel: Influence of Waste Stream Composition and Processing on Chlorine Content and Fuel Quality. <i>Environmental Science & Technology</i> , 2012, 46, 1923-1931.	4.6	56
20	Circular economy and global secondary material supply chains. <i>Waste Management and Research</i> , 2015, 33, 389-391.	2.2	52
21	Resource management performance in Bahrain: a systematic analysis of municipal waste management, secondary material flows and organizational aspects. <i>Waste Management and Research</i> , 2012, 30, 813-824.	2.2	45
22	19th century London dust-yards: A case study in closed-loop resource efficiency. <i>Waste Management</i> , 2009, 29, 1282-1290.	3.7	44
23	Characterisation and composition identification of waste-derived fuels obtained from municipal solid waste using thermogravimetry: A review. <i>Waste Management and Research</i> , 2020, 38, 942-965.	2.2	40
24	Solid Recovered Fuel: Materials Flow Analysis and Fuel Property Development during the Mechanical Processing of Biodried Waste. <i>Environmental Science & Technology</i> , 2013, 47, 2957-2965.	4.6	38
25	Which material ownership and responsibility in a circular economy?. <i>Waste Management and Research</i> , 2015, 33, 773-774.	2.2	38
26	Waste management and recycling in the former Soviet Union: The City of Bishkek, Kyrgyz Republic (Kyrgyzstan). <i>Waste Management and Research</i> , 2013, 31, 106-125.	2.2	32
27	The biogenic content of process streams from mechanical biological treatment plants producing solid recovered fuel. Do the manual sorting and selective dissolution determination methods correlate?. <i>Waste Management</i> , 2010, 30, 1171-1182.	3.7	29
28	Recycling and resource efficiency: it is time for a change from quantity to quality. <i>Waste Management and Research</i> , 2013, 31, 539-540.	2.2	29
29	Up-Cycling Waste Glass to Minimal Water Adsorption/Absorption Lightweight Aggregate by Rapid Low Temperature Sintering: Optimization by Dual Process-Mixture Response Surface Methodology. <i>Environmental Science & Technology</i> , 2014, 48, 7527-7535.	4.6	29
30	Chlorine in waste-derived solid recovered fuel (SRF), co-combusted in cement kilns: A systematic review of sources, reactions, fate and implications. <i>Critical Reviews in Environmental Science and Technology</i> , 2021, 51, 140-186.	6.6	27
31	No circular economy if current systemic failures are not addressed. <i>Waste Management and Research</i> , 2018, 36, 757-759.	2.2	24
32	Transition to circular economy requires reliable statistical quantification and control of uncertainty and variability in waste. <i>Waste Management and Research</i> , 2016, 34, 1197-1200.	2.2	22
33	Resource recovery and low carbon transitions: The hidden impacts of substituting cement with imported waste materials from coal and steel production. <i>Global Environmental Change</i> , 2018, 53, 146-156.	3.6	20
34	Oil-based mud cutting as an additional raw material in clinker production. <i>Journal of Hazardous Materials</i> , 2020, 384, 121022.	6.5	20
35	Towards clean material cycles: Is there a policy conflict between circular economy and non-toxic environment?. <i>Waste Management and Research</i> , 2020, 38, 705-707.	2.2	19
36	Are solid recovered fuels resource-efficient?. <i>Waste Management and Research</i> , 2013, 31, 113-114.	2.2	13

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37	Plastic waste in marine litter: Action now and at the source. Waste Management and Research, 2014, 32, 251-253.	2.2	11
38	Unsound waste management and public health: The neglected link?. Waste Management and Research, 2016, 34, 277-279.	2.2	11
39	Plastic pollution global treaty to cover waste pickers and open burning?. Waste Management and Research, 2022, 40, 1-2.	2.2	10
40	United Nationsâ€™ plastic pollution treaty pathway puts waste and resources management sector at the centre of massive change. Waste Management and Research, 2022, 40, 487-489.	2.2	10
41	Cities and waste: Current and emerging issues. Waste Management and Research, 2014, 32, 797-799.	2.2	9
42	Establishing a sub-sampling plan for waste-derived solid recovered fuels (SRF): Effects of shredding on representative sample preparation based on theory of sampling (ToS). Waste Management, 2020, 113, 430-438.	3.7	6
43	Construction and Demolition Waste Management: A Systematic Scoping Review of Risks to Occupational and Public Health. Frontiers in Sustainability, 0, 3, .	1.3	6
44	Publishing impactful interdisciplinary waste-related research on global challenges: Circular economy, climate change and plastics pollution. Waste Management and Research, 2019, 37, 313-314.	2.2	5
45	Statistical quantification of sub-sampling representativeness and uncertainty for waste-derived solid recovered fuel (SRF): Comparison with theory of sampling (ToS). Journal of Hazardous Materials, 2020, 388, 122013.	6.5	5
46	Open uncontrolled burning of solid waste undermines human health: Time to act. Waste Management and Research, 2021, 39, 1-2.	2.2	5
47	Waste management needs a data revolution â€” Is plastic pollution an opportunity?. Waste Management and Research, 2021, 39, 1113-1115.	2.2	4
48	Co-composting as a method to produce nutrient-rich compost from olive mill waste to use as a substitute for growing strawberries in the UK. Acta Horticulturae, 2016, , 137-142.	0.1	1
49	Response to Comment on â€œSolid Recovered Fuel: Materials Flow Analysis and Fuel Property Development during the Mechanical Processing of Biodried Wasteâ€” Environmental Science & Technology, 2013, 47, 14535-14536.	4.6	0