

Martijn Roosen

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6965610/publications.pdf>

Version: 2024-02-01

18
papers

1,313
citations

623734

14
h-index

888059

17
g-index

18
all docs

18
docs citations

18
times ranked

512
citing authors

#	ARTICLE	IF	CITATIONS
1	Critical advances and future opportunities in upcycling commodity polymers. <i>Nature</i> , 2022, 603, 803-814.	27.8	404
2	Towards closed-loop recycling of multilayer and coloured PET plastic waste by alkaline hydrolysis. <i>Green Chemistry</i> , 2020, 22, 5376-5394.	9.0	211
3	Detailed Analysis of the Composition of Selected Plastic Packaging Waste Products and Its Implications for Mechanical and Thermochemical Recycling. <i>Environmental Science & Technology</i> , 2020, 54, 13282-13293.	10.0	149
4	Challenges and opportunities of solvent-based additive extraction methods for plastic recycling. <i>Waste Management</i> , 2020, 104, 148-182.	7.4	135
5	A comprehensive experimental investigation of plastic waste pyrolysis oil quality and its dependence on the plastic waste composition. <i>Fuel Processing Technology</i> , 2022, 227, 107090.	7.2	78
6	Assessing the feasibility of chemical recycling via steam cracking of untreated plastic waste pyrolysis oils: Feedstock impurities, product yields and coke formation. <i>Waste Management</i> , 2022, 141, 104-114.	7.4	54
7	Development and application of an analytical method to quantify odour removal in plastic waste recycling processes. <i>Resources, Conservation and Recycling</i> , 2020, 161, 104907.	10.8	43
8	Development and application of a predictive modelling approach for household packaging waste flows in sorting facilities. <i>Waste Management</i> , 2021, 120, 290-302.	7.4	42
9	Non-food applications of natural dyes extracted from agro-food residues: A critical review. <i>Journal of Cleaner Production</i> , 2021, 301, 126920.	9.3	40
10	Expanding the collection portfolio of plastic packaging: Impact on quantity and quality of sorted plastic waste fractions. <i>Resources, Conservation and Recycling</i> , 2022, 178, 106025.	10.8	29
11	Deodorization of post-consumer plastic waste fractions: A comparison of different washing media. <i>Science of the Total Environment</i> , 2022, 812, 152467.	8.0	24
12	Maximizing olefin production via steam cracking of distilled pyrolysis oils from difficult-to-recycle municipal plastic waste and marine litter. <i>Science of the Total Environment</i> , 2022, 838, 156092.	8.0	23
13	Towards a better understanding of odor removal from post-consumer plastic film waste: A kinetic study on deodorization efficiencies with different washing media. <i>Waste Management</i> , 2021, 120, 564-575.	7.4	22
14	Towards a Better Understanding of Delamination of Multilayer Flexible Packaging Films by Carboxylic Acids. <i>ChemSusChem</i> , 2021, 14, 4198-4213.	6.8	22
15	Analysis of the kinetics, energy balance and carbon footprint of the delamination of multilayer flexible packaging films via carboxylic acids. <i>Resources, Conservation and Recycling</i> , 2022, 181, 106256.	10.8	12
16	Thermochemical recycling of end-of-life and virgin HDPE: A pilot-scale study. <i>Journal of Analytical and Applied Pyrolysis</i> , 2022, 166, 105614.	5.5	12
17	Recent Advances in Pre-Treatment of Plastic Packaging Waste. , 0, , .		7
18	Removal of volatile components from plastic waste in liquid media: effect of temperature and particle size. <i>Resources, Conservation and Recycling</i> , 2022, 182, 106267.	10.8	6