Jan C Van Der Waal

List of Publications by Year
in descending order

28	3,361	394421 19	552781 26
papers	citations	h-index	g-index

30	30	30	3981
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Hydroxymethylfurfural, A Versatile Platform Chemical Made from Renewable Resources. Chemical Reviews, 2013, 113, 1499-1597.	47.7	2,380
2	Catalytic insights into the production of biomass-derived side products methyl levulinate, furfural and humins. Catalysis Today, 2018, 302, 2-15.	4.4	125
3	Dehydration of Different Ketoses and Aldoses to 5â€Hydroxymethylfurfural. ChemSusChem, 2013, 6, 1681-1687.	6.8	90
4	A Facile Solidâ€Phase Route to Renewable Aromatic Chemicals from Biobased Furanics. Angewandte Chemie - International Edition, 2016, 55, 1368-1371.	13.8	81
5	Promising results with YXY Diesel components in an ESC test cycle using a PACCAR Diesel engine. Biomass and Bioenergy, 2012, 36, 151-159.	5.7	63
6	Substituted Phthalic Anhydrides from Biobased Furanics: A New Approach to Renewable Aromatics. ChemSusChem, 2015, 8, 3052-3056.	6.8	62
7	Humins as promising material for producing sustainable carbohydrate-derived building materials. Construction and Building Materials, 2017, 139, 594-601.	7.2	60
8	Benign-by-design preparation of humin-based iron oxide catalytic nanocomposites. Green Chemistry, 2017, 19, 4423-4434.	9.0	57
9	Anti-knock quality of sugar derived levulinic esters and cyclic ethers. Fuel, 2017, 202, 414-425.	6.4	39
10	All â€˜greenâ€™ composites comprising flax fibres and humins' resins. Composites Science and Technology, 2019, 171, 70-77.	7.8	39
11	Direct Dielsâ€“Alder reactions of furfural derivatives with maleimides. Green Chemistry, 2021, 23, 367-373.	9.0	38
12	Performance of lignin derived compounds as octane boosters. Fuel, 2017, 189, 284-292.	6.4	33
13	Experimental and Modeling Studies on the Solubility of <scp>d</scp>-Arabinose, <scp>d</scp>-Fructose, <scp>d</scp>-Glucose, <scp>d</scp>-Mannose, Sucrose and <scp>d</scp>-Xylose in Methanol and Methanolâ€“Water Mixtures. Industrial & Engineering Chemistry Research, 2014, 53, 8285-8290.	3.7	30
14	A Facile Solidâ€Phase Route to Renewable Aromatic Chemicals from Biobased Furanics. Angewandte Chemie, 2016, 128, 1390-1393.	2.0	29
15	Furoic acid and derivatives as atypical dienes in Dielsâ€“Alder reactions. Green Chemistry, 2021, 23, 5503-5510.	9.0	29
16	The Interplay between Kinetics and Thermodynamics in Furan Dielsâ€“Alder Chemistry for Sustainable Chemicals Production. Angewandte Chemie - International Edition, 2022, 61, .	13.8	29
17	Humins from Biorefineries as Thermoreactive Macromolecular Systems. ChemSusChem, 2018, 11, 4246-4255.	6.8	27
18	Highly-accessible, doped TiO2 nanoparticles embedded at the surface of SiO2 as photocatalysts for the degradation of pollutants under visible and UV radiation. Applied Catalysis A: General, 2021, 621, 118179.	4.3	23

#	Article	IF	Citations
19	Selectivity Control in the Tandem Aromatization of Bioâ€Based Furanics Catalyzed by Solid Acids and Palladium. ChemSusChem, 2017, 10, 277-286.	6.8	21
20	A Comparative Study on the Reactivity of Various Ketohexoses to Furanics in Methanol. ChemSusChem, 2016, 9, 1827-1834.	6.8	20
21	Reactivity studies in water on the acid-catalysed dehydration of psicose compared to other ketohexoses into 5-hydroxymethylfurfural. Carbohydrate Research, 2017, 446-447, 1-6.	2.3	16
22	Reconstruction of humins formation mechanism from decomposition products: A GC-MS study based on catalytic continuous flow depolymerizations. Molecular Catalysis, 2019, 479, 110564.	2.0	16
23	Towards the photophysical studies of humin by-products. Chemical Communications, 2017, 53, 7015-7017.	4.1	14
24	Lignin Derivatives as Potential Octane Boosters. SAE International Journal of Fuels and Lubricants, 0, 8, 415-422.	0.2	10
25	Continuous flow study of isoeugenol to vanillin: A bio-based iron oxide catalyst. Catalysis Today, 2021, 368, 281-290.	4.4	3
26	Catalytic Oxidation of Biosourced 3â€Methylphtalic Anhydride under O₂: Oneâ€Pot Hemimellitic Acid Synthesis and Novel Example of Biomass Valorization.. ChemistrySelect, 2017, 2, 10766-10770.	1.5	1
27	The Interplay between Kinetics and Thermodynamics in Furan Dielsâ€“Alder Chemistry for Sustainable Chemicals Production. Angewandte Chemie, 2022, 134, .	2.0	1
28	Humins as bio-based template for the synthesis of alumina foams. Molecular Catalysis, 2022, 526, 112363.	2.0	0