

Jan C Van Der Waal

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

3,361
citations

394421

19
h-index

552781

26
g-index

30
all docs

30
docs citations

30
times ranked

3981
citing authors

#	ARTICLE	IF	CITATIONS
1	The Interplay between Kinetics and Thermodynamics in Furan Diels-Alder Chemistry for Sustainable Chemicals Production. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	29
2	The Interplay between Kinetics and Thermodynamics in Furan Diels-Alder Chemistry for Sustainable Chemicals Production. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	1
3	Humins as bio-based template for the synthesis of alumina foams. <i>Molecular Catalysis</i> , 2022, 526, 112363.	2.0	0
4	Direct Diels-Alder reactions of furfural derivatives with maleimides. <i>Green Chemistry</i> , 2021, 23, 367-373.	9.0	38
5	Continuous flow study of isoeugenol to vanillin: A bio-based iron oxide catalyst. <i>Catalysis Today</i> , 2021, 368, 281-290.	4.4	3
6	Furoic acid and derivatives as atypical dienes in Diels-Alder reactions. <i>Green Chemistry</i> , 2021, 23, 5503-5510.	9.0	29
7	Highly-accessible, doped TiO ₂ nanoparticles embedded at the surface of SiO ₂ as photocatalysts for the degradation of pollutants under visible and UV radiation. <i>Applied Catalysis A: General</i> , 2021, 621, 118179.	4.3	23
8	Reconstruction of humins formation mechanism from decomposition products: A GC-MS study based on catalytic continuous flow depolymerizations. <i>Molecular Catalysis</i> , 2019, 479, 110564.	2.0	16
9	All "green" composites comprising flax fibres and humins' resins. <i>Composites Science and Technology</i> , 2019, 171, 70-77.	7.8	39
10	Catalytic insights into the production of biomass-derived side products methyl levulinate, furfural and humins. <i>Catalysis Today</i> , 2018, 302, 2-15.	4.4	125
11	Humins from Biorefineries as Thermoreactive Macromolecular Systems. <i>ChemSusChem</i> , 2018, 11, 4246-4255.	6.8	27
12	Reactivity studies in water on the acid-catalysed dehydration of psicose compared to other ketohexoses into 5-hydroxymethylfurfural. <i>Carbohydrate Research</i> , 2017, 446-447, 1-6.	2.3	16
13	Anti-knock quality of sugar derived levulinic esters and cyclic ethers. <i>Fuel</i> , 2017, 202, 414-425.	6.4	39
14	Towards the photophysical studies of humin by-products. <i>Chemical Communications</i> , 2017, 53, 7015-7017.	4.1	14
15	Performance of lignin derived compounds as octane boosters. <i>Fuel</i> , 2017, 189, 284-292.	6.4	33
16	Benign-by-design preparation of humin-based iron oxide catalytic nanocomposites. <i>Green Chemistry</i> , 2017, 19, 4423-4434.	9.0	57
17	Catalytic Oxidation of Biosourced 3-Methylphtalic Anhydride under O ₂ : One-Pot Hemimellitic Acid Synthesis and Novel Example of Biomass Valorization.. <i>ChemistrySelect</i> , 2017, 2, 10766-10770.	1.5	1
18	Humins as promising material for producing sustainable carbohydrate-derived building materials. <i>Construction and Building Materials</i> , 2017, 139, 594-601.	7.2	60

#	ARTICLE	IF	CITATIONS
19	Selectivity Control in the Tandem Aromatization of Bio-Based Furanics Catalyzed by Solid Acids and Palladium. <i>ChemSusChem</i> , 2017, 10, 277-286.	6.8	21
20	A Comparative Study on the Reactivity of Various Ketohexoses to Furanics in Methanol. <i>ChemSusChem</i> , 2016, 9, 1827-1834.	6.8	20
21	A Facile Solid-Phase Route to Renewable Aromatic Chemicals from Biobased Furanics. <i>Angewandte Chemie</i> , 2016, 128, 1390-1393.	2.0	29
22	A Facile Solid-Phase Route to Renewable Aromatic Chemicals from Biobased Furanics. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 1368-1371.	13.8	81
23	Substituted Phthalic Anhydrides from Biobased Furanics: A New Approach to Renewable Aromatics. <i>ChemSusChem</i> , 2015, 8, 3052-3056.	6.8	62
24	Experimental and Modeling Studies on the Solubility of <i>d</i> -Arabinose, <i>d</i> -Fructose, <i>d</i> -Glucose, <i>d</i> -Mannose, Sucrose and <i>d</i> -Xylose in Methanol and Methanol-Water Mixtures. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 8285-8290.	3.7	30
25	Dehydration of Different Ketoses and Aldoses to 5-Hydroxymethylfurfural. <i>ChemSusChem</i> , 2013, 6, 1681-1687.	6.8	90
26	Hydroxymethylfurfural, A Versatile Platform Chemical Made from Renewable Resources. <i>Chemical Reviews</i> , 2013, 113, 1499-1597.	47.7	2,380
27	Promising results with YXY Diesel components in an ESC test cycle using a PACCAR Diesel engine. <i>Biomass and Bioenergy</i> , 2012, 36, 151-159.	5.7	63
28	Lignin Derivatives as Potential Octane Boosters. <i>SAE International Journal of Fuels and Lubricants</i> , 0, 8, 415-422.	0.2	10