

Oriol Cusola

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

339
citations

840776

11
h-index

888059

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all docs

18
docs citations

18
times ranked

402
citing authors

#	ARTICLE	IF	CITATIONS
1	Particulate Coatings via Evaporation-Induced Self-Assembly of Polydisperse Colloidal Lignin on Solid Interfaces. <i>Langmuir</i> , 2018, 34, 5759-5771.	3.5	44
2	Nanofibrillar networks enable universal assembly of superstructured particle constructs. <i>Science Advances</i> , 2020, 6, eaaz7328.	10.3	44
3	Bacterial cellulose for increasing barrier properties of paper products. <i>Cellulose</i> , 2018, 25, 6093-6105.	4.9	39
4	Lignin Particles for Multifunctional Membranes, Antioxidative Microfiltration, Patterning, and 3D Structuring. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 45226-45236.	8.0	39
5	Composites of cellulose nanocrystals in combination with either cellulose nanofibril or carboxymethylcellulose as functional packaging films. <i>International Journal of Biological Macromolecules</i> , 2022, 211, 218-229.	7.5	29
6	Cyclodextrin functionalization of several cellulosic substrates for prolonged release of antibacterial agents. <i>Journal of Applied Polymer Science</i> , 2013, 129, 604-613.	2.6	28
7	Application of surface enzyme treatments using laccase and a hydrophobic compound to paper-based media. <i>Bioresource Technology</i> , 2013, 131, 521-526.	9.6	25
8	Roughness measurement of paper using speckle. <i>Optical Engineering</i> , 2011, 50, 093605.	1.0	16
9	Improving Filmogenic and Barrier Properties of Nanocellulose Films by Addition of Biodegradable Plasticizers. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 9647-9660.	6.7	15
10	Conferring antioxidant capacity to cellulose based materials by using enzymatically-modified products. <i>Cellulose</i> , 2015, 22, 2375-2390.	4.9	14
11	A Facile and Green Method to Hydrophobize Films of Cellulose Nanofibrils and Silica by Laccase-Mediated Coupling of Nonpolar Colloidal Particles. <i>ChemSusChem</i> , 2014, 7, 2868-2878.	6.8	13
12	Rapid functionalisation of cellulose-based materials using a mixture containing laccase activated lauryl gallate and sulfonated lignin. <i>Holzforschung</i> , 2014, 68, 631-639.	1.9	9
13	A straightforward bioprocess for a cleaner paper decolorization. <i>Journal of Cleaner Production</i> , 2019, 236, 117702.	9.3	8
14	Electrochemical Insights on the Hydrophobicity of Cellulose Substrates Imparted by Enzymatically Oxidized Gallates with Increasing Alkyl Chain Length. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 13834-13841.	8.0	6
15	Using Electrochemical Methods To Study the Kinetics of Laccase-Catalyzed Oxidation of Phenols. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 2434-2439.	3.7	5
16	Elucidating the chemical nature of laccase-modified alkyl gallates. <i>Journal of Wood Chemistry and Technology</i> , 2020, 40, 269-283.	1.7	2
17	Surface Modification of Nanocellulosics and Functionalities. , 2020, , 17-63.		2
18	Evaluating the potential of ozone in creating functional groups on cellulose. <i>Cellulose</i> , 2022, 29, 6595-6610.	4.9	1