

# Luiz G Greca

## List of Publications by Year in descending order

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Version: 2024-02-01

21  
papers

884  
citations

516710

16  
h-index

713466

21  
g-index

22  
all docs

22  
docs citations

22  
times ranked

1152  
citing authors

#	ARTICLE	IF	CITATIONS
1	Benchmarking supramolecular adhesive behavior of nanocelluloses, cellulose derivatives and proteins. <i>Carbohydrate Polymers</i> , 2022, 292, 119681.	10.2	10
2	Infiltration of Proteins in Cholesteric Cellulose Structures. <i>Biomacromolecules</i> , 2021, 22, 2067-2080.	5.4	19
3	Chitin-amyloid synergism and their use as sustainable structural adhesives. <i>Journal of Materials Chemistry A</i> , 2021, 9, 19741-19753.	10.3	11
4	Multifunctional lignin-based nanocomposites and nanohybrids. <i>Green Chemistry</i> , 2021, 23, 6698-6760.	9.0	93
5	Lignin-First Integrated Hydrothermal Treatment (HTT) and Synthesis of Low-Cost Biorefinery Particles. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 1230-1239.	6.7	37
6	Guiding Bacterial Activity for Biofabrication of Complex Materials via Controlled Wetting of Superhydrophobic Surfaces. <i>ACS Nano</i> , 2020, 14, 12929-12937.	14.6	23
7	Morphological and Wettability Properties of Thin Coating Films Produced from Technical Lignins. <i>Langmuir</i> , 2020, 36, 9675-9684.	3.5	32
8	Nanofibrillar networks enable universal assembly of superstructured particle constructs. <i>Science Advances</i> , 2020, 6, eaaz7328.	10.3	44
9	Exploiting Supramolecular Interactions from Polymeric Colloids for Strong Anisotropic Adhesion between Solid Surfaces. <i>Advanced Materials</i> , 2020, 32, e1906886.	21.0	64
10	Adsorption and Assembly of Cellulosic and Lignin Colloids at Oil/Water Interfaces. <i>Langmuir</i> , 2019, 35, 571-588.	3.5	120
11	Morphology-Controlled Synthesis of Colloidal Polyphenol Particles from Aqueous Solutions of Tannic Acid. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 16985-16990.	6.7	18
12	Biomimetic Templating: Tessellation of Chiral Nematic Cellulose Nanocrystal Films by Microtemplating (Adv. Funct. Mater. 25/2019). <i>Advanced Functional Materials</i> , 2019, 29, 1970169.	14.9	1
13	Nanocellulose and Nanochitin Cryogels Improve the Efficiency of Dye Solar Cells. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 10257-10265.	6.7	18
14	Tessellation of Chiral Nematic Cellulose Nanocrystal Films by Microtemplating. <i>Advanced Functional Materials</i> , 2019, 29, 1808518.	14.9	37
15	Effects of non-solvents and electrolytes on the formation and properties of cellulose I filaments. <i>Scientific Reports</i> , 2019, 9, 16691.	3.3	27
16	Biofabrication of multifunctional nanocellulosic 3D structures: a facile and customizable route. <i>Materials Horizons</i> , 2018, 5, 408-415.	12.2	81
17	Particulate Coatings via Evaporation-Induced Self-Assembly of Polydisperse Colloidal Lignin on Solid Interfaces. <i>Langmuir</i> , 2018, 34, 5759-5771.	3.5	44
18	Biobased aerogels with different surface charge as electrolyte carrier membranes in quantum dot-sensitized solar cell. <i>Cellulose</i> , 2018, 25, 3363-3375.	4.9	17

#	ARTICLE	IF	CITATIONS
19	Techno-Economic Assessment, Scalability, and Applications of Aerosol Lignin Micro- and Nanoparticles. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 11853-11868.	6.7	95
20	Effect of Anisotropy of Cellulose Nanocrystal Suspensions on Stratification, Domain Structure Formation, and Structural Colors. <i>Biomacromolecules</i> , 2018, 19, 2931-2943.	5.4	61
21	Green Formation of Robust Supraparticles for Cargo Protection and Hazards Control in Natural Environments. <i>Small</i> , 2018, 14, e1801256.	10.0	32