Luiz G Greca

List of Publications by Year
in descending order

21	884	516710 16	713466 21
papers	citations	h-index	g-index

22	22	22	1152
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Adsorption and Assembly of Cellulosic and Lignin Colloids at Oil/Water Interfaces. Langmuir, 2019, 35, 571-588.	3.5	120
2	Techno-Economic Assessment, Scalability, and Applications of Aerosol Lignin Micro- and Nanoparticles. ACS Sustainable Chemistry and Engineering, 2018, 6, 11853-11868.	6.7	95
3	Multifunctional lignin-based nanocomposites and nanohybrids. Green Chemistry, 2021, 23, 6698-6760.	9.0	93
4	Biofabrication of multifunctional nanocellulosic 3D structures: a facile and customizable route. Materials Horizons, 2018, 5, 408-415.	12.2	81
5	Exploiting Supramolecular Interactions from Polymeric Colloids for Strong Anisotropic Adhesion between Solid Surfaces. Advanced Materials, 2020, 32, e1906886.	21.0	64
6	Effect of Anisotropy of Cellulose Nanocrystal Suspensions on Stratification, Domain Structure Formation, and Structural Colors. Biomacromolecules, 2018, 19, 2931-2943.	5.4	61
7	Particulate Coatings via Evaporation-Induced Self-Assembly of Polydisperse Colloidal Lignin on Solid Interfaces. Langmuir, 2018, 34, 5759-5771.	3.5	44
8	Nanofibrillar networks enable universal assembly of superstructured particle constructs. Science Advances, 2020, 6, eaaz7328.	10.3	44
9	Tessellation of Chiralâ€Nematic Cellulose Nanocrystal Films by Microtemplating. Advanced Functional Materials, 2019, 29, 1808518.	14.9	37
10	Lignin-First Integrated Hydrothermal Treatment (HTT) and Synthesis of Low-Cost Biorefinery Particles. ACS Sustainable Chemistry and Engineering, 2020, 8, 1230-1239.	6.7	37
11	Green Formation of Robust Supraparticles for Cargo Protection and Hazards Control in Natural Environments. Small, 2018, 14, e1801256.	10.0	32
12	Morphological and Wettability Properties of Thin Coating Films Produced from Technical Lignins. Langmuir, 2020, 36, 9675-9684.	3.5	32
13	Effects of non-solvents and electrolytes on the formation and properties of cellulose I filaments. Scientific Reports, 2019, 9, 16691.	3.3	27
14	Guiding Bacterial Activity for Biofabrication of Complex Materials via Controlled Wetting of Superhydrophobic Surfaces. ACS Nano, 2020, 14, 12929-12937.	14.6	23
15	Infiltration of Proteins in Cholesteric Cellulose Structures. Biomacromolecules, 2021, 22, 2067-2080.	5.4	19
16	Morphology-Controlled Synthesis of Colloidal Polyphenol Particles from Aqueous Solutions of Tannic Acid. ACS Sustainable Chemistry and Engineering, 2019, 7, 16985-16990.	6.7	18
17	Nanocellulose and Nanochitin Cryogels Improve the Efficiency of Dye Solar Cells. ACS Sustainable Chemistry and Engineering, 2019, 7, 10257-10265.	6.7	18
18	Biobased aerogels with different surface charge as electrolyte carrierÂmembranes in quantum dot-sensitized solar cell. Cellulose, 2018, 25, 3363-3375.	4.9	17

#	Article	IF	Citations
19	Chitinâ€“amyloid synergism and their use as sustainable structural adhesives. Journal of Materials Chemistry A, 2021, 9, 19741-19753.	10.3	11
20	Benchmarking supramolecular adhesive behavior of nanocelluloses, cellulose derivatives and proteins. Carbohydrate Polymers, 2022, 292, 119681.	10.2	10
21	Biomimetic Templating: Tessellation of Chiralâ€Nematic Cellulose Nanocrystal Films by Microtemplating (Adv. Funct. Mater. 25/2019). Advanced Functional Materials, 2019, 29, 1970169.	14.9	1