Costas Tsioptsias

List of Publications by Year
in descending order

31	993	430442	433756
papers	citations	18 h-index	31 g-index

31	31	31	1402
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Development of micro- and nano-porous composite materials by processing cellulose with ionic liquids and supercritical CO2. Green Chemistry, 2008, 10, 965.	4.6	153
2	Preparation of cellulose-nanohydroxyapatite composite scaffolds from ionic liquid solutions. Carbohydrate Polymers, 2008, 74, 99-105.	5.1	70
3	Contribution of okra extracts to the stability and rheology of oil-in-water emulsions. Food Hydrocolloids, 2011, 25, 991-999.	5.6	69
4	Chitin and carbon aerogels from chitin alcogels. Carbohydrate Polymers, 2009, 76, 535-540.	5.1	67
5	Post-treatment of molasses wastewater by electrocoagulation and process optimization through response surface analysis. Journal of Environmental Management, 2015, 164, 104-113.	3.8	49
6	Preparation and characterization of cellulose acetateâ€“Fe2O3 composite nanofibrous materials. Carbohydrate Polymers, 2010, 81, 925-930.	5.1	47
7	Superhydrophobic surfaces from hydrophobic or hydrophilic polymers via nanophase separation or electrospinning/electrospraying. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2011, 387, 71-78.	2.3	46
8	Foaming of chitin hydrogels processed by supercritical carbon dioxide. Journal of Supercritical Fluids, 2008, 47, 302-308.	1.6	41
9	A novel method for producing tissue engineering scaffolds from chitin, chitinâ€“hydroxyapatite, and cellulose. Materials Science and Engineering C, 2009, 29, 159-164.	3.8	41
10	Mechanism of SMP aggregation within the pores of hydrophilic and hydrophobic MBR membranes and aggregates detachment. Separation and Purification Technology, 2018, 202, 119-129.	3.9	41
11	Equation-of-state modeling of mixtures with ionic liquids. Physical Chemistry Chemical Physics, 2010, 12, 4843.	1.3	38
12	Polymeric hydrogels and supercritical fluids: The mechanism of hydrogel foaming. Polymer, 2011, 52, 2819-2826.	1.8	38
13	A novel approach for textile cleaning based on supercritical CO2 and Pickering emulsions. Journal of Supercritical Fluids, 2013, 76, 83-93.	1.6	30
14	Thermal stability and hydrophobicity enhancement of wood through impregnation with aqueous solutions and supercritical carbon dioxide. Journal of Materials Science, 2011, 46, 5406-5411.	1.7	29
15	Simultaneous determination of sorption, heat of sorption, diffusion coefficient and glass transition depression in polymerâ€“CO2 systems. Thermochimica Acta, 2011, 521, 98-106.	1.2	29
16	Isolation, characterization and emulsion stabilizing properties of polysaccharides form orchid roots (salep). Food Hydrocolloids, 2012, 28, 68-74.	5.6	29
17	Enhancement of the performance of a combined microalgae-activated sludge system for the treatment of high strength molasses wastewater. Journal of Environmental Management, 2016, 183, 126-132.	3.8	28
18	Polypropylene nanocomposite fibers: A review of current trends and new developments. Journal of Plastic Film and Sheeting, 2021, 37, 283-311.	1.3	25

#	Article	IF	Citations
19	Glass chemical transition: An unknown thermal transition observed in cellulose acetate butyrate. Carbohydrate Polymers, 2021, 259, 117754.	5.1	17
20	Flame-retarded hydrophobic cellulose through impregnation with aqueous solutions and supercritical CO2. Journal of Thermal Analysis and Calorimetry, 2013, 111, 475-482.	2.0	16
21	Thermo-chemical transition in cellulose esters and other polymers. Thermochimica Acta, 2022, 707, 179106.	1.2	15
22	Biodegradation and decolorization of melanoidin solutions by manganese peroxidase yeasts. Water Science and Technology, 2016, 73, 2436-2445.	1.2	14
23	Experimental Investigation of Polypropylene Composite Drawn Fibers with Talc, Wollastonite, Attapulgite and Single-Wall Carbon Nanotubes. Polymers, 2022, 14, 260.	2.0	13
24	Experimental study of degradation of molasses wastewater by biological treatment combined with ozonation. Journal of Chemical Technology and Biotechnology, 2016, 91, 857-864.	1.6	9
25	Cr(VI) Leached from Lignite Fly Ashâ€"Assessment of Groundwater Contamination Risk. Water, Air, and Soil Pollution, 2020, 231, 1.	1.1	9
26	Microalgae-activated sludge treatment of molasses wastewater in sequencing batch photo-bioreactor. Environmental Technology (United Kingdom), 2017, 38, 1120-1126.	1.2	8
27	Optimization of Thermal and Mechanical Properties of Polypropylene-Wollastonite Composite Drawn Fibers Based on Surface Response Analysis. Polymers, 2022, 14, 924.	2.0	7
28	Selective extraction of oxygenated compounds from oregano with subâ€critical water. Journal of the Science of Food and Agriculture, 2012, 92, 814-820.	1.7	5
29	Ultra-small angle neutron scattering and X-ray tomography studies of caseinateâ€“hydroxyapatite microporous materials. Materials Chemistry and Physics, 2010, 123, 77-82.	2.0	4
30	Surface Response Analysis for the Optimization of Mechanical and Thermal Properties of Polypropylene Composite Drawn Fibers with Talc and Carbon Nanotubes. Polymers, 2022, 14, 1329.	2.0	3
31	On polymer-polymer miscibility and cellulose ester blends: A case study. Thermochimica Acta, 2022, 714, 179265.	1.2	3