

Szczepan Bednarz

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

790
citations

686830

13
h-index

552369

26
g-index

27
all docs

27
docs citations

27
times ranked

1128
citing authors

#	ARTICLE	IF	CITATIONS
1	Luminescence phenomena of carbon dots derived from citric acid and urea – a molecular insight. <i>Nanoscale</i> , 2018, 10, 13889-13894.	2.8	193
2	Novel efficient fluorophores synthesized from citric acid. <i>RSC Advances</i> , 2015, 5, 34795-34799.	1.7	111
3	Luminescence phenomena of biodegradable photoluminescent poly(diols citrates). <i>Chemical Communications</i> , 2013, 49, 6445.	2.2	95
4	Free-radical polymerization of itaconic acid in the presence of choline salts: Mechanism of persulfate decomposition. <i>Catalysis Today</i> , 2015, 257, 297-304.	2.2	45
5	Synthesis of hydrogels by polymerization of itaconic acid in choline chloride deep eutectic solvent. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	1.3	42
6	Microwave induced thermal gradients in solventless reaction systems. <i>Tetrahedron</i> , 2006, 62, 9440-9445.	1.0	35
7	Environmental friendly polysaccharide modification – microwave-assisted oxidation of starch. <i>Starch/Staerke</i> , 2011, 63, 268-273.	1.1	34
8	Chemical structure of poly(β -cyclodextrin-co-itaconic acid). <i>Journal of Applied Polymer Science</i> , 2011, 119, 3511-3520.	1.3	31
9	Polyhydroxyalkanoate-derived hydrogen-bond donors for the synthesis of new deep eutectic solvents. <i>Green Chemistry</i> , 2019, 21, 3116-3126.	4.6	29
10	Polymerization-crosslinking of renewable itaconic acid in water and in deep eutectic solvents. <i>European Polymer Journal</i> , 2017, 95, 241-254.	2.6	26
11	Application of Hydrogen Peroxide Encapsulated in Silica Xerogels to Oxidation Reactions. <i>Molecules</i> , 2012, 17, 8068-8078.	1.7	24
12	Persulfate initiated free-radical polymerization of itaconic acid: Kinetics, end-groups and side products. <i>European Polymer Journal</i> , 2018, 106, 63-71.	2.6	22
13	High-Molecular-Weight Polyampholytes Synthesized via Daylight-Induced, Initiator-Free Radical Polymerization of Renewable Itaconic Acid. <i>Macromolecular Rapid Communications</i> , 2020, 41, e1900611.	2.0	14
14	Fluorescent citric acid-modified silicone materials. <i>RSC Advances</i> , 2015, 5, 90473-90477.	1.7	11
15	Polymers from Biobased-Monomers: Macroporous Itaconic Xerogels Prepared in Deep Eutectic Solvents. <i>Journal of Renewable Materials</i> , 2016, 4, 18-23.	1.1	9
16	Cyclodextrin-modified poly(octamethylene citrate) polymers towards enhanced sorption properties. <i>Soft Matter</i> , 2020, 16, 3311-3318.	1.2	9
17	Environmental friendly polysaccharide modification – rheological properties of oxidized starches water systems. <i>Starch/Staerke</i> , 2013, 65, 134-145.	1.1	8
18	Polyaniline-starch blends: Synthesis, rheological, and electrical properties. <i>Starch/Staerke</i> , 2014, 66, 583-594.	1.1	8

#	ARTICLE	IF	CITATIONS
19	Intensification of oxidation and epoxidation reactions – Microwave vs. conventional heating. <i>Chemical Engineering and Processing: Process Intensification</i> , 2018, 132, 208-217.	1.8	8
20	Insight into the aqueous Laponite® nanodispersions for self-assembled poly(itaconic acid) nanocomposite hydrogels: The effect of multivalent phosphate dispersants. <i>Journal of Colloid and Interface Science</i> , 2022, 610, 1-12.	5.0	8
21	Unexpected irregular structures of poly(itaconic acid) prepared in Deep Eutectic Solvents. <i>European Polymer Journal</i> , 2019, 115, 30-36.	2.6	7
22	Microwave-assisted oxidation of alcohols by hydrogen peroxide catalysed by tetrabutylammonium decatungstate. <i>Chemical Papers</i> , 2013, 67, .	1.0	5
23	Microwave-Assisted Synthesis of Hybrid Polymer Materials and Composites. <i>Advances in Polymer Science</i> , 2014, , 241-294.	0.4	5
24	Microwave-Assisted Oxidation of Alcohols Using Zinc Polyoxometalate. <i>Synlett</i> , 2014, 25, 2757-2760.	1.0	5
25	Kinetic study of the condensation of salicylaldehyde with diethyl malonate in a nonpolar solvent catalyzed by secondary amines. <i>International Journal of Chemical Kinetics</i> , 2009, 41, 589-598.	1.0	4
26	Recovery and Characterization Studies of Post-Production Alloy Waste from the Automotive Industry. <i>Materials</i> , 2020, 13, 5600.	1.3	2