

Szczepan Bednarz

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

26

papers

571

citations

12

h-index

23

g-index

27

ext. papers

671

ext. citations

3.9

avg, IF

3.97

L-index

#	Paper	IF	Citations
26	Luminescence phenomena of carbon dots derived from citric acid and urea - a molecular insight. <i>Nanoscale</i> , 2018 , 10, 13889-13894	7.7	119
25	Novel efficient fluorophores synthesized from citric acid. <i>RSC Advances</i> , 2015 , 5, 34795-34799	3.7	88
24	Luminescence phenomena of biodegradable photoluminescent poly(diols citrates). <i>Chemical Communications</i> , 2013 , 49, 6445-7	5.8	84
23	Free-radical polymerization of itaconic acid in the presence of choline salts: Mechanism of persulfate decomposition. <i>Catalysis Today</i> , 2015 , 257, 297-304	5.3	32
22	Microwave induced thermal gradients in solventless reaction systems. <i>Tetrahedron</i> , 2006 , 62, 9440-9445	2.4	31
21	Environmental friendly polysaccharide modification [microwave-assisted oxidation of starch. <i>Starch/Staerke</i> , 2011 , 63, 268-273	2.3	29
20	Synthesis of hydrogels by polymerization of itaconic acid [choline chloride deep eutectic solvent. <i>Journal of Applied Polymer Science</i> , 2014 , 131, n/a-n/a	2.9	27
19	Chemical structure of poly(β -cyclodextrin-co-citric acid). <i>Journal of Applied Polymer Science</i> , 2011 , 119, 3511-3520	2.9	27
18	Application of hydrogen peroxide encapsulated in silica xerogels to oxidation reactions. <i>Molecules</i> , 2012 , 17, 8068-78	4.8	22
17	Polymerization-crosslinking of renewable itaconic acid in water and in deep eutectic solvents. <i>European Polymer Journal</i> , 2017 , 95, 241-254	5.2	18
16	Polyhydroxyalkanoate-derived hydrogen-bond donors for the synthesis of new deep eutectic solvents. <i>Green Chemistry</i> , 2019 , 21, 3116-3126	10	16
15	Persulfate initiated free-radical polymerization of itaconic acid: Kinetics, end-groups and side products. <i>European Polymer Journal</i> , 2018 , 106, 63-71	5.2	14
14	Fluorescent citric acid-modified silicone materials. <i>RSC Advances</i> , 2015 , 5, 90473-90477	3.7	9
13	Cyclodextrin-modified poly(octamethylene citrate) polymers towards enhanced sorption properties. <i>Soft Matter</i> , 2020 , 16, 3311-3318	3.6	8
12	Polymers from Biobased-Monomers: Macroporous Itaconic Xerogels Prepared in Deep Eutectic Solvents. <i>Journal of Renewable Materials</i> , 2016 , 4, 18-23	2.4	7
11	High-Molecular-Weight Polyampholytes Synthesized via Daylight-Induced, Initiator-Free Radical Polymerization of Renewable Itaconic Acid. <i>Macromolecular Rapid Communications</i> , 2020 , 41, e1900611	4.8	6
10	Environmental friendly polysaccharide modification [rheological properties of oxidized starches water systems. <i>Starch/Staerke</i> , 2013 , 65, 134-145	2.3	6

9	Polyaniline/starch blends: Synthesis, rheological, and electrical properties. <i>Starch/Staerke</i> , 2014 , 66, 583-594	2.3	5
8	Intensification of oxidation and epoxidation reactions: Microwave vs. conventional heating. <i>Chemical Engineering and Processing: Process Intensification</i> , 2018 , 132, 208-217	3.7	5
7	Unexpected irregular structures of poly(itaconic acid) prepared in Deep Eutectic Solvents. <i>European Polymer Journal</i> , 2019 , 115, 30-36	5.2	4
6	Microwave-Assisted Synthesis of Hybrid Polymer Materials and Composites. <i>Advances in Polymer Science</i> , 2014 , 241-294	1.3	4
5	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	1.4	4
4	Microwave-assisted oxidation of alcohols by hydrogen peroxide catalysed by tetrabutylammonium decatungstate. <i>Chemical Papers</i> , 2013 , 67,	1.9	3
3	Microwave-Assisted Oxidation of Alcohols Using Zinc Polyoxometalate. <i>Synlett</i> , 2014 , 25, 2757-2760	2.2	2
2	Recovery and Characterization Studies of Post-Production Alloy Waste from the Automotive Industry. <i>Materials</i> , 2020 , 13,	3.5	1
1	Insight into the aqueous Laponite \square nanodispersions for self-assembled poly(itaconic acid) nanocomposite hydrogels: The effect of multivalent phosphate dispersants.. <i>Journal of Colloid and Interface Science</i> , 2021 , 610, 1-12	9.3	0