Boris Estrine

List of Publications by Year
in descending order

42	1,193	279798	377865
papers	citations	23 h-index	34 g-index

43	43	43	1305
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Heck arylation of allylic alcohols in molten salts. Journal of Organometallic Chemistry, 2001, 634, 153-156.	1.8	95
2	Isomerization of d-glucose into d-fructose with a heterogeneous catalyst in organic solvents. Catalysis Communications, 2013, 39, 35-38.	3.3	59
3	Development of Agriculture Left-Overs: Fine Organic Chemicals from Wheat Hemicellulose-Derived Pentoses. Topics in Current Chemistry, 2010, 294, 79-115.	4.0	55
4	Acidâ€Assisted Ball Milling of Cellulose as an Efficient Pretreatment Process for the Production of Butyl Glycosides. ChemSusChem, 2015, 8, 3263-3269.	6.8	55
5	Telomerization of Butadiene withL-Arabinose andD-Xylose in DMF: Selective Formation of their Monooctadienyl Glycosides. European Journal of Organic Chemistry, 2004, 2004, 2914-2922.	2.4	53
6	Telomerization of butadiene with pentoses in water: selective etherifications. Green Chemistry, 2005, 7, 219-223.	9.0	53
7	Direct conversion of xylan into alkyl pentosides. Carbohydrate Research, 2010, 345, 2469-2473.	2.3	51
8	Biodegradability and cytotoxicity of choline soaps on human cell lines: effects of chain length and the cation. RSC Advances, 2013, 3, 23347.	3.6	51
9	Fast and efficient DMSO-mediated dehydration of carbohydrates into 5-hydroxymethylfurfural. Catalysis Communications, 2014, 51, 5-9.	3.3	51
10	Direct conversion of wheat bran hemicelluloses into n-decyl-pentosides. Green Chemistry, 2010, 12, 1929.	9.0	42
11	Enzymatic synthesis of alkyl Î²-d-xylosides and oligoxylosides from xylans and from hydrothermally pretreated wheat bran. Green Chemistry, 2011, 13, 2380.	9.0	42
12	High Catalytic Performance of Aquivion PFSA, a Reusable Solid Perfluorosulfonic Acid Polymer, in the Biphasic Glycosylation of Glucose with Fatty Alcohols. ACS Catalysis, 2017, 7, 2990-2997.	11.2	37
13	Effects of the reactants concentration in the butadiene telomerization with d-xylose and parallel influence of triethylamine as additive. Journal of Molecular Catalysis A, 2006, 244, 93-98.	4.8	34
14	Neutral pentosides surfactants issued from the butadiene telomerization with pentoses: preparation and amphiphilic properties. Carbohydrate Research, 2006, 341, 1938-1944.	2.3	32
15	Conversion of Cellulose into Amphiphilic Alkyl Glycosides Catalyzed by Aquivion, a Perfluorosulfonic Acid Polymer. ChemSusChem, 2017, 10, 3604-3610.	6.8	32
16	Î²-Amino acid derived gemini surfactants from diformylfuran (DFF) with particularly low critical micelle concentration (CMC). Green Chemistry, 2017, 19, 4074-4079.	9.0	31
17	Recycling in telomerization of butadiene with <scp>D</scp>â€xylose: Pd(TPPTS)_nâ€KF/Al₂O₃ as an active catalyst. Applied Organometallic Chemistry, 2007, 21, 945-946.	3.5	29
18	15-Membered macrocyclic triolefin: role in recovering active palladium catalyst for the telomerization of butadiene with methanol. Tetrahedron Letters, 2001, 42, 7055-7057.	1.4	28

#	Article	IF	Citations
19	Recycling in telomerization of butadiene with methanol and phenol: Pdâ€“KF/Al2O3as an active heterogeneous catalyst system. Green Chemistry, 2003, 5, 686-689.	9.0	26
20	Synthesis, characterization, biodegradability and surfactant properties of bio-sourced lauroyl poly(glycerol-succinate) oligoesters. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2013, 419, 263-273.	4.7	26
21	15-Membered Triolefinic Macrocycles â^' Catalytic Role of (E,E,E)-1,6,11-Tris(arenesulfonyl)-1,6,11-triazacyclopentadeca-3,8,13-triene Complexes of Palladium(0) in the Presence of Phosphanes. European Journal of Organic Chemistry, 2003, 2003, 274-283.	2.4	25
22	New pretreatment of wheat straw and bran in hexadecanol for the combined production of emulsifying base, glucose and lignin material. Carbohydrate Polymers, 2012, 88, 657-662.	10.2	25
23	Use of Furandicarboxylic Acid and Its Decyl Ester as Additives in the Fischer's Glycosylation of Decanol by <scp>d</scp>â€Glucose: Physicochemical Properties of the Surfactant Compositions Obtained. Journal of Surfactants and Detergents, 2013, 16, 147-154.	2.1	25
24	Sulfonated surfactants obtained from furfural. Green Chemistry, 2013, 15, 1558.	9.0	24
25	Simple efficient one-pot synthesis of 5-hydroxymethylfurfural and 2,5-diformylfuran from carbohydrates. Reaction Chemistry and Engineering, 2016, 1, 176-182.	3.7	24
26	Characterization, stability and ecotoxic properties of readily biodegradable branched oligoesters based on bio-sourced succinic acid and glycerol. Polymer Degradation and Stability, 2012, 97, 1956-1963.	5.8	22
27	Transglycosylation: A Key Reaction to Access Alkylpolyglycosides from Lignocellulosic Biomass. ChemSusChem, 2018, 11, 1395-1409.	6.8	20
28	Oligoether carboxylate counterions: An innovative way towards surfactant ionic liquids. Journal of Molecular Liquids, 2018, 251, 61-69.	4.9	17
29	Acidic Pretreatment of Wheat Straw in Decanol for the Production of Surfactant, Lignin and Glucose. International Journal of Molecular Sciences, 2012, 13, 348-357.	4.1	16
30	New method for lignocellulosic biomass polysaccharides conversion in butanol, an efficient route for the production of butyl glycosides from wheat straw or poplar wood. Cellulose, 2013, 20, 2179-2184.	4.9	16
31	Low Catalyst Loadings for the Production of Carboxylic Acids from Polysaccharides and Hydrogen Peroxide. ChemSusChem, 2010, 3, 1200-1203.	6.8	14
32	Improved sulfuric acid decrystallization of wheat straw to obtain high yield carbohydrates. Cellulose, 2011, 18, 1521-1525.	4.9	13
33	Life cycle assessment of the production of surface-active alkyl polyglycosides from acid-assisted ball-milled wheat straw compared to the conventional production based on corn-starch. Green Chemistry, 2018, 20, 2135-2141.	9.0	12
34	Manufacture of decyl pentosides surfactants by wood hemicelluloses transglycosidation: A potential pretreatment process for wood biomass valorization. Industrial Crops and Products, 2014, 58, 335-339.	5.2	11
35	Acyl Poly(Glycerolâ€Succinic Acid) Oligoesters: Synthesis, Physicochemical and Functional Properties, and Biodegradability. Journal of Surfactants and Detergents, 2016, 19, 933-941.	2.1	10
36	Synthesis and Surface Properties of Succinic Acid Endâ€Capped Alkylâ€Polyxylosides. Journal of Surfactants and Detergents, 2012, 15, 191-198.	2.1	9

#	Article	IF	Citations
37	Synthesis of Alkyl Polyglycosides From Glucose and Xylose for Biobased Surfactants: Synthesis, Properties, and Applications. , 2019, , 365-385.		9
38	Sulfoxides and sulfones as solvents for the manufacture of alkyl polyglycosides without added catalyst. Green Chemistry, 2013, 15, 3027.	9.0	7
39	Biosourced lauroyl poly(glycerol-succinate) oligoesters modified by copolymerizable solvents: A wasteless and eco-friendly surfactants properties enhancement. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 536, 88-95.	4.7	6
40	Succinylation of Nonâ€ionic Surfactants: Physicochemical Characterization, Functional Properties, Biodegradability and Mathematical Modeling of the Polarity Tuning. Journal of Surfactants and Detergents, 2014, 17, 591-602.	2.1	4
41	Visible Light-Accelerated Depolymerisation of Starch Under Fenton Conditions and Preparation of Calcium Sequestering Compounds. Catalysis Letters, 2014, 144, 1674-1680.	2.6	2
42	Physical-chemical and toxicological properties of osmolyte-based cationic surfactants and spontaneously formed low-toxic catanionic vesicles out of them. Journal of Molecular Liquids, 2022, 361, 119549.	4.9	0