

Boris Estrine

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/492563/publications.pdf>

Version: 2024-02-01

42
papers

1,193
citations

279798

23
h-index

377865

34
g-index

43
all docs

43
docs citations

43
times ranked

1305
citing authors

#	ARTICLE	IF	CITATIONS
1	Physical-chemical and toxicological properties of osmolyte-based cationic surfactants and spontaneously formed low-toxic catanionic vesicles out of them. <i>Journal of Molecular Liquids</i> , 2022, 361, 119549.	4.9	0
2	Synthesis of Alkyl Polyglycosides From Glucose and Xylose for Biobased Surfactants: Synthesis, Properties, and Applications. , 2019, , 365-385.		9
3	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. <i>Green Chemistry</i> , 2018, 20, 2135-2141.	9.0	12
4	Transglycosylation: A Key Reaction to Access Alkylpolyglycosides from Lignocellulosic Biomass. <i>ChemSusChem</i> , 2018, 11, 1395-1409.	6.8	20
5	Biosourced lauroyl poly(glycerol-succinate) oligoesters modified by copolymerizable solvents: A wasteless and eco-friendly surfactants properties enhancement. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 536, 88-95.	4.7	6
6	Oligoether carboxylate counterions: An innovative way towards surfactant ionic liquids. <i>Journal of Molecular Liquids</i> , 2018, 251, 61-69.	4.9	17
7	High Catalytic Performance of Aquivion PFSA, a Reusable Solid Perfluorosulfonic Acid Polymer, in the Biphasic Glycosylation of Glucose with Fatty Alcohols. <i>ACS Catalysis</i> , 2017, 7, 2990-2997.	11.2	37
8	Conversion of Cellulose into Amphiphilic Alkyl Glycosides Catalyzed by Aquivion, a Perfluorosulfonic Acid Polymer. <i>ChemSusChem</i> , 2017, 10, 3604-3610.	6.8	32
9	Î²-Amino acid derived gemini surfactants from diformylfuran (DFF) with particularly low critical micelle concentration (CMC). <i>Green Chemistry</i> , 2017, 19, 4074-4079.	9.0	31
10	Acyl Poly(Glycerol-ε-Succinic Acid) Oligoesters: Synthesis, Physicochemical and Functional Properties, and Biodegradability. <i>Journal of Surfactants and Detergents</i> , 2016, 19, 933-941.	2.1	10
11	Simple efficient one-pot synthesis of 5-hydroxymethylfurfural and 2,5-diformylfuran from carbohydrates. <i>Reaction Chemistry and Engineering</i> , 2016, 1, 176-182.	3.7	24
12	Acid-Assisted Ball Milling of Cellulose as an Efficient Pretreatment Process for the Production of Butyl Glycosides. <i>ChemSusChem</i> , 2015, 8, 3263-3269.	6.8	55
13	Visible Light-Accelerated Depolymerisation of Starch Under Fenton Conditions and Preparation of Calcium Sequestering Compounds. <i>Catalysis Letters</i> , 2014, 144, 1674-1680.	2.6	2
14	Succinylation of Non-ionic Surfactants: Physicochemical Characterization, Functional Properties, Biodegradability and Mathematical Modeling of the Polarity Tuning. <i>Journal of Surfactants and Detergents</i> , 2014, 17, 591-602.	2.1	4
15	Fast and efficient DMSO-mediated dehydration of carbohydrates into 5-hydroxymethylfurfural. <i>Catalysis Communications</i> , 2014, 51, 5-9.	3.3	51
16	Manufacture of decyl pentosides surfactants by wood hemicelluloses transglycosidation: A potential pretreatment process for wood biomass valorization. <i>Industrial Crops and Products</i> , 2014, 58, 335-339.	5.2	11
17	New method for lignocellulosic biomass polysaccharides conversion in butanol, an efficient route for the production of butyl glycosides from wheat straw or poplar wood. <i>Cellulose</i> , 2013, 20, 2179-2184.	4.9	16
18	Sulfoxides and sulfones as solvents for the manufacture of alkyl polyglycosides without added catalyst. <i>Green Chemistry</i> , 2013, 15, 3027.	9.0	7

#	ARTICLE	IF	CITATIONS
19	Use of Furandicarboxylic Acid and Its Decyl Ester as Additives in the Fischer's Glycosylation of Decanol by α -D-Glucose: Physicochemical Properties of the Surfactant Compositions Obtained. <i>Journal of Surfactants and Detergents</i> , 2013, 16, 147-154.	2.1	25
20	Biodegradability and cytotoxicity of choline soaps on human cell lines: effects of chain length and the cation. <i>RSC Advances</i> , 2013, 3, 23347.	3.6	51
21	Sulfonated surfactants obtained from furfural. <i>Green Chemistry</i> , 2013, 15, 1558.	9.0	24
22	Synthesis, characterization, biodegradability and surfactant properties of bio-sourced lauroyl poly(glycerol-succinate) oligoesters. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013, 419, 263-273.	4.7	26
23	Isomerization of d-glucose into d-fructose with a heterogeneous catalyst in organic solvents. <i>Catalysis Communications</i> , 2013, 39, 35-38.	3.3	59
24	Acidic Pretreatment of Wheat Straw in Decanol for the Production of Surfactant, Lignin and Glucose. <i>International Journal of Molecular Sciences</i> , 2012, 13, 348-357.	4.1	16
25	Characterization, stability and ecotoxic properties of readily biodegradable branched oligoesters based on bio-sourced succinic acid and glycerol. <i>Polymer Degradation and Stability</i> , 2012, 97, 1956-1963.	5.8	22
26	New pretreatment of wheat straw and bran in hexadecanol for the combined production of emulsifying base, glucose and lignin material. <i>Carbohydrate Polymers</i> , 2012, 88, 657-662.	10.2	25
27	Synthesis and Surface Properties of Succinic Acid End-Capped Alkyl-Polyxylosides. <i>Journal of Surfactants and Detergents</i> , 2012, 15, 191-198.	2.1	9
28	Enzymatic synthesis of alkyl β -D-xylosides and oligoxylosides from xylans and from hydrothermally pretreated wheat bran. <i>Green Chemistry</i> , 2011, 13, 2380.	9.0	42
29	Improved sulfuric acid decrystallization of wheat straw to obtain high yield carbohydrates. <i>Cellulose</i> , 2011, 18, 1521-1525.	4.9	13
30	Direct conversion of xylan into alkyl pentosides. <i>Carbohydrate Research</i> , 2010, 345, 2469-2473.	2.3	51
31	Low Catalyst Loadings for the Production of Carboxylic Acids from Polysaccharides and Hydrogen Peroxide. <i>ChemSusChem</i> , 2010, 3, 1200-1203.	6.8	14
32	Development of Agriculture Left-Overs: Fine Organic Chemicals from Wheat Hemicellulose-Derived Pentoses. <i>Topics in Current Chemistry</i> , 2010, 294, 79-115.	4.0	55
33	Direct conversion of wheat bran hemicelluloses into n-decyl-pentosides. <i>Green Chemistry</i> , 2010, 12, 1929.	9.0	42
34	Recycling in telomerization of butadiene with α -D-xylose: Pd(TPPTS) ₂ (i>n)/Al ₂ O ₃ as an active catalyst. <i>Applied Organometallic Chemistry</i> , 2007, 21, 945-946.	3.5	29
35	Neutral pentosides surfactants issued from the butadiene telomerization with pentoses: preparation and amphiphilic properties. <i>Carbohydrate Research</i> , 2006, 341, 1938-1944.	2.3	32
36	Effects of the reactants concentration in the butadiene telomerization with d-xylose and parallel influence of triethylamine as additive. <i>Journal of Molecular Catalysis A</i> , 2006, 244, 93-98.	4.8	34

#	ARTICLE	IF	CITATIONS
37	Telomerization of butadiene with pentoses in water: selective etherifications. <i>Green Chemistry</i> , 2005, 7, 219-223.	9.0	53
38	Telomerization of Butadiene with L-Arabinose and D-Xylose in DMF: Selective Formation of their Mono-octadienyl Glycosides. <i>European Journal of Organic Chemistry</i> , 2004, 2004, 2914-2922.	2.4	53
39	15-Membered Triolefinic Macrocycles – 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. <i>European Journal of Organic Chemistry</i> , 2003, 2003, 274-283.	2.4	25
40	Recycling in telomerization of butadiene with methanol and phenol: Pd/KF/Al ₂ O ₃ as an active heterogeneous catalyst system. <i>Green Chemistry</i> , 2003, 5, 686-689.	9.0	26
41	15-Membered macrocyclic triolefin: role in recovering active palladium catalyst for the telomerization of butadiene with methanol. <i>Tetrahedron Letters</i> , 2001, 42, 7055-7057.	1.4	28
42	Heck arylation of allylic alcohols in molten salts. <i>Journal of Organometallic Chemistry</i> , 2001, 634, 153-156.	1.8	95