SÃ¸ren Tolborg

List of Publications by Year
in descending order

20	800	623734 14	713466 21
papers	citations	h-index	g-index

21	21	21	632
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	High-Productivity Continuous Conversion of Glucose to Î±-Hydroxy Esters over Postsynthetic and Hydrothermal Sn-Beta Catalysts. ACS Sustainable Chemistry and Engineering, 2022, 10, 4391-4403.	6.7	9
2	Tuning of Sn-BEA Reactivity by Controlling Tin Location in the BEA Framework. Journal of Physical Chemistry C, 2021, 125, 26679-26687.	3.1	2
3	Thermal Regeneration of Sn-Containing Silicates and Consequences for Biomass Upgrading: From Regeneration to Preactivation. ACS Catalysis, 2020, 10, 11545-11555.	11.2	15
4	Stoichiometric active site modification observed by alkali ion titrations of Sn-Beta. Catalysis Science and Technology, 2019, 9, 4339-4346.	4.1	10
5	Influence of Composition and Preparation Method on the Continuous Performance of Sn-Beta for Glucose-Fructose Isomerisation. Topics in Catalysis, 2019, 62, 1178-1191.	2.8	25
6	Effects of Alkaliâ€Metal Ions and Counter Ions in Snâ€Betaâ€Catalyzed Carbohydrate Conversion. ChemSusChem, 2018, 11, 1198-1203.	6.8	17
7	Overcoming catalyst deactivation during the continuous conversion of sugars to chemicals: maximising the performance of Sn-Beta with a little drop of water. Reaction Chemistry and Engineering, 2018, 3, 155-163.	3.7	39
8	Direct Observation of Tin in Different T-Sites of Sn-BEA by One- and Two-Dimensional ¹¹⁹Sn MAS NMR Spectroscopy. Journal of Physical Chemistry Letters, 2018, 9, 3738-3743.	4.6	31
9	Synthesis of a novel polyester building block from pentoses by tin-containing silicates. RSC Advances, 2017, 7, 985-996.	3.6	29
10	Quantitative NMR Approach to Optimize the Formation of Chemical Building Blocks from Abundant Carbohydrates. ChemSusChem, 2017, 10, 2990-2996.	6.8	29
11	Shapeâ€selective Valorization of Biomassâ€derived Glycolaldehyde using Tinâ€containing Zeolites. ChemSusChem, 2016, 9, 3054-3061.	6.8	31
12	¹¹⁹Sn MAS NMR Study of the Interaction of Probe Molecules with Sn-BEA: The Origin of Penta- and Hexacoordinated Tin Formation. Journal of Physical Chemistry C, 2016, 120, 28083-28092.	3.1	50
13	Shape-selective Valorization of Biomass-derived Glycolaldehyde using Tin-containing Zeolites. ChemSusChem, 2016, 9, 3022-3022.	6.8	5
14	Application of ¹¹⁹Sn CPMG MAS NMR for Fast Characterization of Sn Sites in Zeolites with Natural ¹¹⁹Sn Isotope Abundance. Journal of Physical Chemistry Letters, 2016, 7, 1249-1253.	4.6	44
15	Accelerated synthesis of Sn-BEA in fluoride media: effect of H₂O content in the gel. New Journal of Chemistry, 2016, 40, 4367-4374.	2.8	33
16	Tin-containing silicates: identification of a glycolytic pathway via 3-deoxyglucosone. Green Chemistry, 2016, 18, 3360-3369.	9.0	56
17	Tinâ€containing Silicates: Alkali Salts Improve Methyl Lactate Yield from Sugars. ChemSusChem, 2015, 8, 613-617.	6.8	131
18	Incorporation of tin affects crystallization, morphology, and crystal composition of Sn-Beta. Journal of Materials Chemistry A, 2014, 2, 20252-20262.	10.3	113

#	ARTICLE	IF	CITATIONS
19	Meerweinâ€“Ponndorfâ€“Verleyâ€“Oppenauer reaction of crotonaldehyde with ethanol over Zr-containing catalysts. Journal of Catalysis, 2014, 316, 121-129.	6.2	125
20	Improved hydrogen storage kinetics of nanoconfined LiBH₄-MgH₂ reactive hydride composites catalyzed with nickel Nanoparticles. Materials Research Society Symposia Proceedings, 2012, 1441, 1.	0.1	5