

Publication year	DOI	Application	Title
2006	https://doi.org/10.1002/anie.200600460	General	Starbons: New starch-derived mesoporous carbonaceous materials with tunable properties
2007	https://doi.org/10.1039/B614537J	Catalysis	Versatile mesoporous carbonaceous materials for acid catalysis
2007	https://doi.org/10.1002/chem.200700037	Catalysis	Towards a bio-based industry: Benign catalytic esterifications of succinic acid in the presence of water
2007	https://doi.org/10.1039/B704055E	Catalysis	Tunable mesoporous materials optimised for aqueous phase esterifications
2008	https://doi.org/10.1016/j.apcatb.2008.01.015	Catalysis	Glycerol transformations on polysaccharide derived mesoporous materials
2008	https://doi.org/10.1016/j.catcom.2008.01.037	Catalysis	Catalytic performance of carbonaceous materials in the esterification of succinic acid
2009	https://doi.org/10.1039/B911877B	Catalysis	Efficient aqueous hydrogenation of biomass platform molecules using supported metal nanoparticles on Starbons
2009	https://doi.org/10.1039/B822668G	General	Tuneable porous carbonaceous materials from renewable resources
2010	https://doi.org/10.1016/j.catcom.2010.03.015	Catalysis	Water-tolerant Ru-Starbon® materials for the hydrogenation of organic acids in aqueous ethanol
2010	https://doi.org/10.1002/chem.200901879	Pectin	Pectin-Derived Porous Materials
2011	https://doi.org/10.1016/j.catcom.2011.06.008	Catalysis	Starbon® acids in alkylation and acetylation reactions: Effect of the Brønsted-Lewis acidity
2011	https://doi.org/10.1039/C0EE00666A	Catalysis	A seawater-based biorefining strategy for fermentative production and chemical transformations of succinic acid
2011	https://doi.org/10.1002/cctc.201000280	Catalysis	Biodiesel-Like Biofuels from Simultaneous Transesterification/Esterification of Waste Oils with a Biomass-Derived Solid Acid Catalyst

2011	https://briefs.techconnect.org/wp-content/volumes/Cleantech2011/pdf/429.pdf	Water treatment	Industrial symbiosis and green chemistry: one's waste is another's resource!
2011	https://briefs.techconnect.org/wp-content/volumes/Cleantech2011/pdf/984.pdf	General - Review	STARBONS®: Preparation, applications and transition from laboratory curiosity to scalable product
2011	https://doi.org/10.3390/ijms12095782	Biological	A Sweet Killer: Mesoporous Polysaccharide Confined Silver Nanoparticles for Antibacterial Applications
2012	https://doi.org/10.1016/j.fuel.2012.02.025	Catalysis	Sulfonic groups anchored on mesoporous carbon Starbons-300 and its use for the esterification of oleic acid
2012	https://briefs.techconnect.org/wp-content/volumes/Nanotech2012v3/pdf/764.pdf	General - Review	Starbons® – A New Family of Bio-based Mesoporous Materials Derived from Polysaccharides
2012	https://doi.org/10.1002/bbb.328	Catalysis	Wheat-based biorefining strategy for fermentative production and chemical transformations of succinic acid
2012	https://doi.org/10.1039/C2RA21367B	Separation	The importance of being porous: polysaccharide-derived mesoporous materials for use in dye adsorption
2013	https://doi.org/10.1021/sc4001675	Separation	Use of Starbon for the Adsorption and Desorption of Phenols
2013	https://doi.org/10.1039/C3RA43673J	Catalysis/Water treatment	A novel biomass-based support (Starbon) for TiO ₂ hybrid photocatalysts: a versatile green tool for water purification
2013	https://doi.org/10.3390/ijms12095782	Metal recovery	Simple Preparation of Novel Metal-Containing Mesoporous Starches
2014	https://doi.org/10.1039/C3RA44428G	Chromatography/separations	A natural template approach to mesoporous carbon spheres for use as green chromatographic stationary phases
2014	https://doi.org/10.1016/j.carbon.2013.10.024	Chromatography/separations	Investigating the structure of biomass-derived non-graphitizing mesoporous carbons by electron energy loss spectroscopy in the transmission

			electron microscope and X-ray photoelectron spectroscopy
2014	https://doi.org/10.1002/cssc.201300961	General - Review	Always Look on the “Light” Side of Life: Sustainable Carbon Aerogels
2014	https://doi.org/10.3390/molecules190811988	Catalysis	Synthesis, Immobilization and Catalytic Activity of a Copper(II) Complex with a Chiral Bis(oxazoline)
2014	https://doi.org/10.1002/cctc.201402280	Misc	MAGBONS: Novel Magnetically Separable Carbonaceous Nanohybrids from Porous Polysaccharides
2014	https://doi.org/10.1088/1742-6596/551/1/012040	General	Paramagnetic muon states in mesoporous carbon materials
2015	https://doi.org/10.1016/j.catcom.2015.06.010	Catalysis	Starbon®400-HSO ₃ : A green mesoporous carbonaceous solid acid catalyst for the Ritter reaction
2015	https://doi.org/10.1039/C5GC00154D	Metal recovery	Starch-derived carbonaceous mesoporous materials (Starbon®) for the selective adsorption and recovery of critical metals†
2015	https://doi.org/10.1039/9781782622277-00053	General - book chapter	From Polysaccharides to Starbons®
2015	https://doi.org/10.1016/j.carbon.2015.05.081	Metal recovery	Synthesis and characterization of robust zero valent iron/mesoporous carbon composites and their applications in arsenic removal
2016	https://doi.org/10.1002/anie.201602226	Gas capture	Importance of Micropore–Mesopore Interfaces in Carbon Dioxide Capture by Carbon-Based Materials
2016	https://doi.org/10.1080/10934529.2016.1191817	Water treatment	Treatment of laundrette wastewater using Starbon and Fenton's reagent
2016	https://doi.org/10.1016/j.jaap.2016.07.002	General	Effect of rate of pyrolysis on the textural properties of naturally-templated porous carbons from alginic acid
2017	https://doi.org/10.1039/C7RA02837G	Materials	Bio-based carbonaceous composite materials from epoxidised linseed oil, bio-derived curing agent and starch with controllable functionality

2017	https://doi.org/10.1039/C7FD00056A	Separation	Polysaccharide-derived mesoporous materials (Starbon®) for sustainable separation of complex mixtures
2017	https://doi.org/10.1039/C7TA08165K	Batteries	Sustainable polysaccharide-derived mesoporous carbons (Starbon®) as additives in lithium-ion batteries negative electrodes
2018	https://doi.org/10.1039/C7TA09338A	Batteries	Monolithic mesoporous graphitic composites as super capacitors: from Starbons to Starenes
2018	https://doi.org/10.1002/cssc.201702207	Catalysis	Starbon/High-Amylose Corn Starch-Supported N-Heterocyclic Carbene–Iron(III) Catalyst for Conversion of Fructose into 5-Hydroxymethylfurfural
2018	https://doi.org/10.1002/cctc.201800604	Materials/water treatment	Design and Fabrication of TiO ₂ /Lignocellulosic Carbon Materials: Relevance of Low-temperature Sonocrystallization to Photocatalysts Performance
2018	https://doi.org/10.1039/C8TA04128H	Catalysis/batteries	Alginate acid-derived mesoporous carbon (Starbon®) as template and reducing agent for the hydrothermal synthesis of mesoporous LiMn ₂ O ₄ grafted with carbonaceous species
2018	https://doi.org/10.1016/j.jpowsour.2018.10.026	Batteries	Alginate acid-derived mesoporous carbonaceous materials (Starbon®) as negative electrodes for lithium ion batteries: Importance of porosity and electronic conductivity
2018	https://doi.org/10.1021/acsomega.8b02602	Separation/Crop treatment	Kinetic and Desorption Study of Selected Bioactive Compounds on Mesoporous Starbons: A Comparison with Microporous-Activated Carbon
2019	https://doi.org/10.1111/wej.12412	Water treatment	Evaluating Alginate adsorbent and adsorption kinetics for laundry water treatment: towards sustainable water management
2019	https://doi.org/10.1039/C8SE00483H	Batteries	Green electrode processing using a seaweed-derived mesoporous carbon additive and binder for LiMn ₂ O ₄ and LiNi _{1/3} Mn _{1/3} Co _{1/3} O ₂ lithium ion battery electrodes†

2020	https://doi.org/10.1016/j.scp.2020.100230	Gas capture	The role of surface functionality of sustainable mesoporous materials Starbon® on the adsorption of toxic ammonia and sulphur gasses
2020	https://doi.org/10.1039/D0TA05388K	Water treatment/catalysis	A novel molybdenum oxide–Starbon catalyst for wastewater remediation
2020	https://doi.org/10.3390/nano10102036	Batteries	Mesoporous Carbons from Polysaccharides and Their Use in Li-O ₂ Batteries