Torben Schlebrowski

List of Publications by Year in Descending Order

10 papers	24 citations	2 h-index	4 g-index
10 ext. papers	33 ext. citations	3.7 avg, IF	1.8 L-index

#	Paper	IF	Citations
10	Surface treatment of biopolymer films Polylactic acid and Polyhydroxybutyrat with angular changing oxygen plasma - More than just gradual purification. *Surfaces and Interfaces*, **2022**, 30, 101856	4.1	0
9	Photoaging phenomena of biodegradable polybutylene succinate and conventional low density polyethylene by artificial weathering A comparative surface study. *Applied Surface Science*, **2022**, 590, 153058	6.7	1
8	Synchrotron-based spectroscopic study of plasma generated amorphous hydrogenated carbon films (a-C:H) post-functionalized using photochemically active ruthenium-polypyridyl complexes. *Journal of Electron Spectroscopy and Related Phenomena*, **2022**, 257, 147204	1.7	
7	Plasma Supported Deposition of Amorphous Hydrogenated Carbon (a-C:H) on Polyamide 6: Determining Interlayer Completion and Dehydrogenation Effects during Layer Growth. *Polymers*, **2021**, 13,	4.5	1
6	Comparing the Influence of Residual Stress on Composite Materials Made of Polyhydroxybutyrate (PHB) and Amorphous Hydrogenated Carbon (a-C:H) Layers: Differences Caused by Single Side and Full Substrate Film Attachment during Plasma Coating. *Polymers*, **2021**, 13,	4.5	2
5	The Growth Behavior of Amorphous Hydrogenated Carbon a-C:H Layers on Industrial Polycarbonates A Weak Interlayer and a Distinct Dehydrogenation Zone. *Journal of Carbon Research*, **2021**, 7, 59	3.3	1
4	Refinement of Sustainable Polybutylene Adipate Terephthalate (PBAT) with Amorphous Hydrogenated Carbon Films (a-C:H) Revealing Film Instabilities Influenced by a Thickness-Dependent Change of sp/sp Ratio. *Materials*, **2020**, 13,	3.5	7
3	Effect of Cellulose Nanocrystals on the Coating of Chitosan Nanocomposite Film Using Plasma-Mediated Deposition of Amorphous Hydrogenated Carbon (a C:H) Layers. *Journal of Carbon Research*, **2020**, 6, 51	3.3	2
2	Influence of cellulose microfiber reinforcement for polyvinyl alcohol on the layer growth of plasma-deposited a-C:H. *Diamond and Related Materials*, **2020**, 109, 108065	3.5	2
1	Changing Contents of Carbon Hybridizations in Amorphous Hydrogenated Carbon Layers (a-C:H) on Sustainable Polyhydroxybutyrate (PHB) Exhibit a Significant Deterioration in Stability, Depending on Thickness. *Journal of Carbon Research*, **2019**, 5, 52	3.3	8