

	0.68	
Uhrzeit	Name	Thema
9:30-10:00	Begrüßung in H14	
10:05-10:20	C. Wolf-Daehn	Recycled collagen films as biomaterials for controlled drug delivery
10:25-10:40	C. Ge	Silk as a sustainable biomaterial for Long-Term Three-Dimensional Tissue Cultures
10:45-11:00	C. Radwansky	Pectin-GPTMS-Based Biomaterial: toward a Sustainable Bioprinting of 3D scaffolds for Tissue Engineering Application
11:05-11:20	Y. Chen	Pullulan for Advanced Sustainable Body- and Skin-Contact Applications
11:25-11:40	J. Zhao	Eggshell Waste: A Gold Mine for Sustainable Bioceramics
11:40-12:30	Mittagspause	
12:30-12:45	C. Volland	Top-Down Approach Making Anisotropic Cellulose Aerogels as Universal Substrates for Multifunctionalization
12:50-13:05	P. Schultheiß	Use Sol-Gel processing for reduction of sintering temperature of ceramics
13:10-13:25	E. Wolf	Low temperature densification methods for sustainable ceramics processing
13:30-13:45	J. Schickel	Fundamental Concepts of Cold Sintering of Ceramics
13:50-14:05		
14:30-16:00	Postersession	

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9:30-10:00	Begrüßung in H14	
10:05-10:20	E. Nachbauer	Magnetic nanoparticles: Essential factors for sustainable environmental applications
10:25-10:40	S. Freygang	Magnetic water cleaning - Superoleophilic Magnetic Iron Oxide Nanoparticles for Effective Hydrocarbon Removal from water
10:45-11:00	M. Klein	Eco-friendly surface modifications and nano-functionalization of materials
11:05-11:20	L. Lehkamm	Viability of Solar Cell Technologies
11:25-11:40	S. Ramesh	Glass and photovoltaic, protection and energy conversion
11:40-12:30	Mittagspause	
12:30-12:45	R. Grizfeld	Organic Photovoltaics and its potential
12:50-13:05	H. Zhang	perovskite solar cells
13:10-13:25	J. Zöcklein	Review of State of the Art Recycling methods in the context of Dye Sensitized Solar Cells
13:30-13:45	J. Li	Thin-film solar cells: review of materials, technologies and commercial status
13:50-14:05	D. Li	Temperature dependence of solar cell performance
14:30-16:00	Postersession	

	H14	
9:30-10:00	Begrüßung in H14	
10:05-10:20	S. Müller	Processing options for medical products made of polymers
10:25-10:40	F. Berthold	Recycling of polymer-based packaging from multilayer films: challenges and state of the art
10:45-11:00	M. Seibt	New packaging made of materials collected by special recycling bags in Germany - does that work?
11:05-11:20	L. Gode	Biodegradable polymers - green hope or greenwashing?
11:25-11:40	F. Kohlmann	Barrier performance of biodegradable polymers for sustainable packaging
11:40-12:30	Mittagspause	
12:30-12:45	J. Czwalinna	Production of bioplastic through food waste valorization
12:50-13:05	S. Galonska	Thinking ahead - how can companies design their products to be recyclable?
13:10-13:25	J. Voß	The remediation of nano-/microplastics from water
13:30-13:45	B. Xu	Sustainable materials for electrochemical energy storage
13:50-14:05	M. Ehlert	Sustainable hydrogen production from water splitting
14:30-16:00	Postersession	

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9:30-10:00	Begrüßung in H14	
10:05-10:20	L.Düfert	Sustainable potential of wire-arc additive manufacturing
10:25-10:40	I. Spath	Additive manufacturing for lightweight structures
10:45-11:00	M. Abt	Potential of additive manufacturing for a sustainable Economy
11:05-11:20	C. Heintges	Direct and indirect sustainability in metallurgy
11:25-11:40	J. Breit	Increasing the sustainability of concrete
11:40-12:30	Mittagspause	
12:30-12:45	D. Leidel	Identifying sustainable materials and devices with Life Cycle Assessment
12:50-13:05	X. Tan	Crack Prediction with Simulation for Sustainability
13:10-13:25	H. Zheng	Non-metallic materials as a sustainable anti-corrosion solution
13:30-13:45	Q. Vijverberg	How hydrogen can decarbonize the steel industry
13:50-14:05	J. Höfler	Researchments on steel for efficient thermal power plants
14:30-16:00	Postersession	