

Nr.	TITLE	AUTHORS	INSTITUTION
1	Moisture-indicating cellulose aerogels for multiple atmospheric water harvesting cycles driven by solar energy,	Jiaming Sun, Bang An, Kun Zhang, Mingcong Xu, Zhenwei Wu, Chunhui Ma, Wei Li, Shouxin Liu,	Northeast Forestry University,
2	Polyimide aerogel fibers for thermal insulation application,	Mengmeng Li, Tingting Wu, Shanyu Zhao, Jie Dong, Xin Zhao, Qinghua Zhang,	Donghua University; EMPA,
3	On the deformation behavior of cellulose aerogel reinforced polymers,	Maria Schestakow, Ameya Rege, Lorenz Ratke,	DLR Institute of Materials Research,
4	Laplace Pressure water intrusion studies in superhydrophobic silica aerogels	A. Venkateswara Rao, G. M. Rajonk	Université Claude Bernard-Lyon
5	Synthesis & Characterization of Micro- and Meso-porous Spherical Carbon Aerogel Particles by Emulsion-Gelation Method,	Seeni Meera Kamal Mohamed, Charlotte Heinrich, Barbara Milow,	Department of Aerogels and Aerogel Composites, Institute of Materials Research, German Aerospace Center (DLR), Cologne, Germany.,
6	Microstructural and mechanical properties of cellulose aerogels	Shivangi Aney, Maria Schestakow, Barbara Milow, Ameya Rege	Institute of Materials Research, German Aerospace Center, Cologne, Germany
7	Chitosan-based aerogel adsorbents for the removal of priority pollutants,	João P. Vareda, M. Braga-Gomes, Dina Murtinho, Artur J. M. Valente, Luisa Durães,	University of Coimbra, CIEQPF, Department of Chemical Engineering, Rua Silvio Lima, 3030-790 Coimbra, Portugal,
8	Electrical conductivity of monolithic and powdered carbon aerogels and their composites,	Jessica Schettler, Marina Schwan, Dominik Platzer, Barbara Milow,	Institute of Materials Research, German Aerospace Center,
9	Wood-based cryogels as adsorbents for pharmaceutical pollutants	Melissa B. Agustin, Mari Lehtonen, Marianna Kemell, Panu Lahtinen, Kirsi S. Mikkonen,	University of Helsinki,
10	Kinetic studies on aerogel formation, ageing and ambient pressure drying using an analytical tool box,	Charlotte Heinrich, René Tannert, Oleg Greyz, Oliver Peters, Seeni Meera Kamal Mohamed, Benjamin Ignatzi, and Barbara Milow,	German Aerospace Center (DLR), Cologne, Germany,
11	Metal Aerogels for Bifunctional Electrocatalysts,	Cui Wang, Maximilian Georgi, and Alexander Eychmüller,	Physical Chemistry, TU Dresden,
12	Hydrophobic Organic Aerogels and Xerogels Based on a Phloroglucinol Ether,	Thomas Anklam, René Tannert,	German Aerospace Center (DLR),
13	Multi-layered laminated aerogel blankets for military and civilian applications,	Dong Jin Suh, Chun-Jae Yoo, Jae-Wook Choi, Jeong-Myeong Ha, and Young Su Cho	Korea Institute of Science and Technology,
14	Advantages of automation and online monitoring of physical conditions during hot super-critical drying of aerogels,	G. Lazovski, M. Tzadka, R. Sokolovsky, C. Libov, G. Bar and R. Gvishi,	ISoreq NRC, Yavne 81800, Israel ZBavarian Center for Applied Energy Research (ZAE Bayern), Würzburg, Germany ,
15	Optically Transparent Silica Aerogels,	G. Lazovski1, C. Libov1, R. Gvishi1, G. Reichenauer2, C. Scherdel2,	ISoreq NRC, Yavne 81800, Israel ZBavarian Center for Applied Energy Research (ZAE Bayern), Würzburg, Germany ,
16	Photocatalysts supported on Bacterial Cellulose Aerogels for environmental Applications	Leonardo Marchiori, Elisa Rolim Fonseca, Thais Caroline de Almeida da Silva, Elias Paiva Ferreira Neto, Sidney José Lima Ribeiro	Sao Paulo State University (UNESP), Araraquara, Sao Paulo - Brazil
17	Surfactant-free synthesis of methyl functionalized silica gels with tuneable micro-structures,	Stefanie B. Hauser, Shanyu Zhao, Chiara Hasenfratz, Zahra Mazrouei, Wim J. Malfait,	Building Energy Materials and Components, Empa, Dübendorf - CH,
18	Determination of specific surface area of thin aerogel coatings with SAXS,	C. Scherdel, G. Reichenauer, N. Weiß, N. Gaponik,	Bavarian Center for Applied Energy Research (ZAE Bayern),
19	Assessing the dust released from commercially relevant inorganic aerogel mats by simulating different occupational exposure scenarios,	Veronica Di Battista, Carla Ribalta Carrasco, Klaus Vilsmeier, Dilpreet Singh, Philip Demokrito, Eva Günther, Keld Jensen, Wendel Wohlleben,	BASF SE & DTU,
20	Unusual Extreme Acoustic Impedance and Sound Transmission Loss Properties of Polyimide Aerogel/Melamine-Formaldehyde Foam Layups: Development of Next-Generation Vibroacoustic Insulation for Rockets	Kwasi Asamoah-Addo1*, Justin S. Griffin1, Stephanie Vivod2, Haiquan Guo2, Sadeq Malakooti2, Lucas Shearer2, James C. Johnston2, Maria A. Kuczmariski2, Anne M. McNellis2, Andison Tran1 and Stephen A. Steiner III1	Aerogel Technologies, LLC,
21	Towards Fabrication of Novel PI Aerogels with Superior Moisture Resistance and Flexibility,	Shahriar Ghaffari-Mosanezhadeh, Omid Aghababaei Tafreshi, Nicholas X. Fang, Hani E. Naguib,	University of Toronto, Department of Mechanical and Industrial Engineering,
22	Aerogel-lined capillaries for Raman diagnostics in aqueous media,	Andreas S. Braeuer, Felix Spiske,	Institut für thermische Verfahrenstechnik, Umwelt- und Naturstoffverfahrenstechnik (ITUN) TU Bergakademie Freiberg ,
23	Combined Diffusion Limited Cluster Aggregation/Lattice Boltzmann Model for Simulating the Catalytic Behavior of Aerogel Materials ,	Andrew Cahaly, Ann M. Anderson, Bradford A. Bruno, Mary K. Carroll,	Union College,
24	Novel Bridged Silica Aerogels with Tunable Properties and Excellent Oil Spill Recovery Performance,	Zeineb Ben Rejeb, Abdelnasser Abidli, Aniss Zaoui, Maryam Fashandi, Hani. E. Naguib, and Chul. B. Park ,	University of Toronto,
25	Harnessing peer-pressure for carbon capture in aerogels,	Daniel Momers, Yasar Krysiak, Sebastian Polarz,	Leibniz Universität Hannover,
26	Long-term performance of monolithic silica aerogel with different hydrophobicities: color rendering and physical properties after accelerated ageing.,	C.V. Fiorini, F. Merli, E. Belloni, M.K. Carroll, A.M. Anderson and C. Buratti,	Department of Engineering, University of Perugia (Italy),
27	AeroKinetics: data-driven scale-up of high performance supercritical CO2 drying processes	Alberto Bueno, Dennis Arigbe, Pavel Gurikov, Irina Smirnova	TUHH
28	SPIROPYRAN-BASED POROUS POLYSILSESQUOXANES WITH ION SENSING PROPERTIES FOR COLORIMETRIC ANALYSIS ,	Daniel Euchler, Nicola Hüsing, Andrea Feinle,	Paris-Lodron-University of Salzburg, Department of Chemistry and Physics of Materials,
29	Molecular dynamics simulations of silica aerogels,	Hemangi Patel, Barbara Milow, Ameya Rege,	German Aerospace Center (DLR), Cologne, Germany,
30	Structure vs mechanical properties of MTMS-based aerogel,	Bartosz Nowak, Bartosz Babiarczuk, Nina Borzęcka, Daniel Lewandowski, Jakub Gac,	Warsaw University of Technology, Faculty of Chemical and Process Engineering, Warynskiego 1 00-645 Warsaw, Poland,
31	Novel acid-catalyzed sol-gel synthesis route to control the crystallinity and phase formation of highly porous TiO2 aerogels.,	Alexandra Rose, Pascal Voepel, Barbara Milow,	German Aerospace Center, Institute of Materials Research, Aerogels and Aerogel composites, Linder Höhe, Köln 51147, Germany,
32	MTMS and VTMS-based aerogel synthesis - phase separation and condensation kinetics	Nina Borzecka, Bartosz Nowak, Aleksandra Pisaerk, Jakub Gac	Warsaw University of Technology
33	Sound Absorption Properties of Silica Aerogel-Epoxy Composites,	Zahra Mazrouei-Sebdani, Oriana Palacio, Amol V. Pansare, Michel Barbezat, Wim J. Malfait,	EMPA Swiss Federal Laboratories for Materials and Technology,
34	Phase transitions in bio-gels: towards structure/properties control of bio-aerogels and of responsive biomaterials,	Loris Gelas, Peter Veres, Tatiana Budtova, Pavel Gurikov,	Center for Materials Forming (CEMEF),

35	Combined Diffusion Limited Cluster Aggregation/Lattice Boltzmann Model for Simulating the Catalytic Behavior of Aerogel Materials ,	Andrew Cahaly, Ann M. Anderson, Bradford A. Bruno, Mary K. Carroll,	Union College,
36	Improving the properties of flexible hybrid-silica aerogels: addition of pores for a more lightweight material,	Kai Steffens, Danny Bialuschewski, Barbara Milow,	Institute of Inorganic Chemistry, University of Cologne, Greinstr. 6, 50939 Cologne, Germany,
37	Impact of the anions in the production of monolithic cellulose aerogels	Costa D., Gonçalves B., Ganesan K., Milow B.	German Aerospace Center
38	Enhancing flexible hybrid silica aerogels: integrating new functionality through addition of different precursors,	Danny Bialuschewski, Kai Steffens, Emrah Okumus, Adam Dzierbinski, Pascal Voepel, Barbara Milow,	Institute of Inorganic Chemistry, Nanostructured Cellular Materials, University of Cologne, 50939 Cologne, Germany,
39	Diamond-doped silica aerogel for solar geoengineering,	Jovana Vukajlovic, Jiabin Wang, Ian Forbes, Lidija Siller,	Newcastle University, UK,
40	Development of a continuous process for the production of aerogels to increase energy efficiency.	Erik Dicke, Irina Smirnova	TUHH
41	A study on the thermal insulating properties of inorganic-based paint with aerogel powders from various manufacturers,	Hyoung-Ho Park, Younghun Kim, Taehee Kim ,	Yonsei University,
42	Fluorine doped tin oxide aerogel support with Pt nanocomposites hybrid catalyst for enhanced hydrogen evolution,	Taehee Kim, Hyoung-Ho Park,	Yonsei University,
43	Hybrid Silica Aerogels	P. Niemeyer, B. Böttcher, B. Milow	German Aerospace Center
44	Porous copper and copper hybrid materials derived from sol-gel templates,	Florian Putz, Nicola Hüsing,	University of Salzburg,
45	Optimizing Drying of Hierarchically Organized Porous Silica Monoliths ... Comparison of Ambient Pressure and Supercritical Drying,	Richard Kohns and Nicola Hüsing,	Paris Lodron University Salzburg, Department of Chemistry and Physics of Materials, Salzburg, Austria,
46	The adsorptive removal of antibiotics and various oil/organic solvents from aqueous solutions by VTMS derived silica aerogels,	Selay Sert Çok, Fatoş Koç, Nilay Gizli,	Ege University, Chemical Engineering Department,
47	Magnetic Field Assisted Synthesis of Cobalt and Cobalt Oxide Nanowire Aerogels for Energy Storage Applications,	Rosemary L. Calabro1,2, Malina O. Hatton1, Felita W. Zhang1, Alexa S. Zammit1, Veronica M. Lucian1, Robert J. Wilson1, Enoch Nagelli1,4, Caspar Yi1, Jesse L. Palmer1, Kelsey M. Healy1, Peter H. Chapman3, Stephen F. Bertolucci2, Joshua A. Maurer2,* , F. John Burpo1,4*	United States Military Academy, West Point,
48	Mixed oxide aerogels with high performance insulating properties for high temperature space application	P. Voepel, Ş. M. Heyer, Ş. B. Esser, A- Gülhan B. Milow	German Aerospace Center
49	Phytosterols loading of salmon gelatin aerogels by CO2-SC impregnation.,	Marzena Pepczyńska, Lourdes Calvo, Albertina Cabañas and Javier Enrione,	Complutense University of Madrid (SPAIN),
50	Preparation of Ag loaded chitosan/gelatin aerogels,	Marzena Pepczyńska, Julia Nuñez, Helga K. Ruiz, Eduardo Pérez, Lourdes Calvo and Albertina Cabañas*,	Complutense University of Madrid (SPAIN),
51	Scale-up of Aerogel Manufacturing Plant for Industrial Production	Kathrin Eckert, Erik Dicke, Alberto Bueno, Irina Smirnova, Alexander Kahnt, Robert Böhm, Jan Suchorzewski, Mike Thieme	TUHH
52	Resorcinol-formaldehyde xerogels for loop heat pipe applications	Fabian Henn, Anna Hesse, Dirk Lütz, René Tannert	German Aerospace Center
53	Transparent Cellulose Aerogels from Concentrated Salt Solutions	Baldur Schroeter, Sven Holst, Pavel Gurikov, Irina Smirnova	TUHH
54	Conversion of Whey Protein Aerogel Particles into Oleogels: Effect of Oil Type on Structural Features	S. Plazzotta, I. Jung, B. Schroeter, R. Subrahmanyam, I.	University of Udine, Italy
55	Adsorption of Organic Components from Fluid Mixtures on Cold Plasma Coated Aerogels in Supercritical Fluid Chromatography: Experiment and Simulation	Isabella Jung, Baldur Schroeter, Pavel Gurikov, Irina Smirnova	University of Technology Hamburg
56	Plant-proteins aerogels as functional food ingredients: proof of concept in the preparation of low saturated fat spreads	L. De Berardinis, S. Plazzotta, S. Calligaris, L. Manzocco	University of Udine, Italy
57	Natural grown Aerogels from Fruits, Vegetables and Mushrooms: Processing and Characterization	Lara Gibowsky, Baldur Schroeter, Gesine Liese, Julia Husung, Raman Subrahmanyam and Irina Smirnova	TUHH
58	Is the structure of biopolymer aerogels uniform?	Anja Hajnal, Pavel Gurikov	TUHH
59	Biopolymer-derived carbon aerogels as catalyst support for hydrogen generation cathodes (CarboCAT)	Philip S. Pein, Dr. rer. nat. Baldur Schroeter, Prof. Dr.-Ing. Irina Smirnova, Prof. Dr.-Ing. Can Erkey	Hamburg University of Technology (TUHH) - Institute of Thermal Separation Processes
60	Polyphenolic loaded gelatine-based aerogel: Processing-structure-property relationship	Honey Gupta, Steve McNeil, Steve Ranford and Mark P. Staiger	Department of Mechanical Engineering, University of Canterbury, Private Bag 4800, Christchurch, 8140, New Zealand
61	lignin coated alginate aerogel particles	Razan Altarabeen, Baldur Schroeter, Irina smirnova	TUHH
62	Doubly cross-linked aerogel reinforced by polyvinylpyrrolidone	Kyung Hoon Min, Byeong Seok Kim, Yingjie Qian, Sang Eun Shim	Department of Chemistry and Chemical Engineering, Education and Research Center for Smart Energy and Materials, Inha University, Incheon 22212, Korea
63	Novel approach for stiff aerogel fabrication	Byeong Seok Kim, Kyung Hoon Min, Yingjie Qian, Sang Eun Shim	Department of Chemistry and Chemical Engineering, Education and Research Center for Smart Energy and Materials, Inha University, Incheon 22212, Korea
64	Hyaluronic acid aerogels via freeze-thaw induced gelation	Laurianne Legay, Christophe Pradille, Sijtze Buwalda, Tatiana Budtova,	Cemef, Mines Paris,

Subject to modifications.