

Publikationsliste Thomas Grethe

Veröffentlichungen in Zeitschriften sowie Buchkapitel

- 2021 B. Mahltig, E. Bendt, T. Grethe, O. Hess, T. Weide, M. Krieg
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- 2021 B. Mahltig, E. Bendt, T. Grethe, O. Hess, T. Weide, M. Krieg
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Technical Textiles, 2021, 64, 154-156
- 2021 T. Grethe
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- 2021 R. Brendgen, C. Graßmann, T. Grethe, B. Mahltig, A. Schwarz-Pfeiffer
Coatings with Recycled Polyvinyl Butyral on Polyester and Polyamide Mono- and Multifilament Yarns, accepted in Journal of Coatings Technology and Research
- 2021 A. Schwarz-Pfeiffer, T. Grethe, K. Plenkmann, C. Steinem
A New Design Approach to Realize pH Sensors for Potential Biomedical Applications, to be published
- 2020 T. Grethe, B. Mahltig
Alternative Prüfungsformen im Sommersemester 2020, Die Neue Hochschule (6) 2020
- 2019 C. Grassmann, T. Grethe, L. Van Langenhove, A. Schwarz-Pfeiffer
Digital printing of electroluminescent devices on textile substrates
Journal of Engineered Fibers and Fabrics 14:155892501986162, DOI: 10.1177/1558925019861624
- 2018 T. Grethe, A. Schwarz-Pfeiffer, C. Grassmann, E. Engelhardt, S. Feld, F. Guo, M. De Vrieze, B. Mahltig
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- 2018 I. Juhasz Junger, C. Großerhode, J.L. Storck, S. Kohn, T. Grethe, C. Grassmann, A. Schwarz-Pfeiffer, N. Grimmelsmann, H. Meissner, T. Blachowicz, A. Ehrmann
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- 2018 T. Grothe, R. Böttjer, D. Wehlage, C. Großerhode, J.-L. Storck, I.-J. Junger, B. Mahltig, T. Grethe, C. Graßmann, A. Schwarz-Pfeiffer, A. Ehrmann
Photocatalytic Properties of TiO₂ Composite Nanofibers Electrospun With Different Polymers
Buchkapitel in: „Inorganic and Composite Fibers“, Editors: B. Mahltig und Y. Kyosev, ISBN: 9780081022283, Woodhead Publishing, 26.10.2018

- 2018 Thomas Grethe, Boris Mahltig, Haoqian Miao, Thomas Kick, Hajo Haase, Mark Kopietz, Sergiy Grishchuk
Fibers and Textiles for Fully Bio-Based Fiber Reinforced Materials
Buchkapitel aus: „Narrow and Smart Textiles“, Ed. Y. Kyosev, Springer, ISBN: 978-3-319-69049-0, S. 123-136
- 2017 F. Terzioglu, T. Grethe, C. Both, A. Joßen, B. Mahltig, M. Rabe
Coating Technologies for Antimicrobial Textile Surfaces: State of the Art and Future Prospects for Textile Finishing
Buchkapitel aus: „Handbook of Antimicrobial Coatings“, Ed. A. Tiwari, Elsevier, ISBN: 978-0-12-811982-2, S. 33-48
- 2017 Thomas Grethe, Karoline Günther, Thomas Weide, Anne Schwarz-Pfeiffer
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- 2017 T. Kick, T. Grethe, B. Mahltig
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- 2017 Irén Juhász Junger, Sarah Vanessa Homburg, Thomas Grethe, Andreas Herrmann, Johannes Fiedler, Anne Schwarz-Pfeiffer, Tomasz Blachowicz, Andrea Ehrmann
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- 2017 Thomas Grethe, Thomas Kick, Boris Mahltig
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- 2017 I. J. Junger, S. V. Homburg, H. Meissner, T. Grethe, A. Schwarz Pfeiffer, J. Fiedler, A. Herrmann, T. Blachowicz, A. Ehrmann
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- 2016 M. Norman, T. Grethe, A. Schwarz-Pfeiffer, I. J. Junger, A. Herrmann, J. Fiedler, A. Ehrmann
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Natural Antibacterials for Technical Applications
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- 2016 Thomas Grethe, Hajo Haase, Boris Mahltig
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Y. Kyosev (Ed.): Recent Developments in Braiding and Narrow Weaving, Springer International Publishing, 149-154 (2016)
- 2015 Thomas Grethe, Hajo Haase, HariharaSudan Natarajan, Nadia Limandoko, Boris Mahltig
Coating process for antimicrobial textile surfaces derived from a polyester dyeing process
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- 2015 Jerome Bidu, Thomas Grethe, Hajo Haase, Boris Mahltig
Inorganic Nanosol Coatings for Antimicrobial Treatment of Textiles
Comprehensive Guide for Nanocoatings Technology, Volume 3: Properties and Development, edited by M. Aliofkhazraei, book chapter 13, Nova Science Publishers, 2015, ISBN: 978-1-63482-647-1
- 2014 Thomas Grethe, Jerome Bidu, Boris Mahltig, Hajo Haase
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- 2014 Boris Mahltig, Dorothee Schulenberg, Thomas Grethe, Torsten Textor, Jochen S. Gutmann, Hajo Haase
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- 2014 Thomas Grethe, Nadia Limandoko, Karin Peter, Maike Rabe
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- 2014 Thomas Grethe, Jerome Bidu, Boris Mahltig, Hajo Haase
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- 2013 B. Mahltig, J. Bidu, T. Grethe, P. Pascuali, Y. Kyosev
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- 2021 R. Brendgen, C. Graßmann, K. Mengler, T. Grethe, B. Mahltig, A. Schwarz-Pfeiffer
Recycled polyvinyl butyral for uv-protecting yarn coatings
Book of Abstracts - AUTEX2021 20th World Textile Conference – Unfolding the Future, Online, 05.-09.09.2021, ISBN 978-989-54808-6-9
- 2020 T. Grethe, O. Heß, B. Mahltig
Textiles for Biophysical Skin Care
3. European Industry + Research Exchange Technical Textiles 08.-09.11.2020, IVGT, Online
- 2019 T. Grethe, K. Lux, A. Schwarz-Pfeiffer
Achieving Textile Based Supported Noble Metal Catalysts by Physical Vapor Deposition
Proceedings of the Aachen-Dresden-Denkendorf International Textile Conference, 2019, 28.-29.11.2019, Dresden
- 2019 T. Grethe, K. Lux, A. Schwarz-Pfeiffer
Achieving Textile Based Supported Noble Metal Catalysts by Physical Vapor Deposition
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- 2019 T. Grethe, K. Plenkmann, A. Schwarz-Pfeiffer
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- 2019 C. Grassmann, T. Grethe, A. Krause, C. Großerhode, J.L. Storck, A. Ehrmann, L. Van Langenhove A. Schwarz-Pfeiffer
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- 2019 C. Grassmann, T. Grethe, A. Krause, C. Großerhode, J.L. Storck, A. Ehrmann, L. Van Langenhove A. Schwarz-Pfeiffer
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- 2018 T. Grethe, K. Plenkmann, M. Normann, M. Rabe, A. Schwarz-Pfeiffer
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Proceedings of the 11th Aachen-Dresden-Denkendorf International Textile Conference, 29.11 - 30.11.2018, Aachen
- 2018 C. Graßmann, T. Grethe, B. Mahltig, B. Morgenstern, O. Klimmt, M. De Vrieze, P. Paelinck, A. Schwarz-Pfeiffer
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- 2017 M. Obermann, A. Schwarz-Pfeiffer, T. Grethe
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R.B. Wehrspohn, A. Gombert (Eds.): Proceedings of SPIE, 2016, 9898, Photonics for Solar Energy Systems VI, ISBN: 9781510601437

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Strides towards textile based dye sensitized solar cells
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Proceedings of the 9th Aachen-Dresden International Textile Conference,
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Introducing catalytic functions in polymeric fiber materials
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Partikelfilter mit katalytischen Funktionen für den Abbau von Schadstoffen
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- 2014 T. Grethe, E. Berg, D. Schulenberg, H. H. Natarajan, H. Haase, B. Mahltig,
T. Textor, J. S. Gutmann
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- 2014 Nadia Limandoko, Mareen Warncke, Thomas Grethe, Omar Guerra-
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- 2013 T. Grethe, D. Schulenberg, J. Bidu, H. Haase, B. Mahltig, T. Textor, J. S.
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- 2013 T. Grethe, J. Bidu, E. Berg, J. Vavra, B. Mahltig
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■ Schutzrechtsanmeldungen

- 2020 T. Grethe, C. Steinem, A. Schwarz-Pfeiffer,
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- 2019 T. Grethe, A. Schwarz-Pfeiffer, et al.
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