

Publikationsliste

Dr.-Ing. habil. Victoria Dutschk

Zeitschriftenartikel

#	Artikel	Impact Faktor (2013)
1	Poli R, Colleoni C, Calvimontes A, Polášková H, Dutschk V , Rosace G: Innovative sol-gel route in neutral hydroalcoholic condition to obtain antibacterial cotton finishing by zinc precursor, <i>Journal of Sol-Gel Science and Technology</i> , DOI 10.1007/s10971-014-3589-9	1.547
2	Barani H, Montazer M, Braun H-G, Dutschk V : Stability of colloidal silver nanoparticles trapped in lipid bilayer: effect of lecithin concentration and applied temperature, <i>IET Nanobiotechnology</i> 8 (2014) 282-289.	1.723
3	Simon A, Alexandru T, Boni M, Damian V, Stoicu A, Dutschk V , Pascu ML: Interaction of solutions containing phenothiazines exposed to laser radiation with materials surfaces, in view of biomedical applications, <i>International Journal of Pharmaceutics</i> 475 (2014) 270-281.	3.785
4	Glampedaki P, Dutschk V : Stability studies of cosmetic emulsions prepared from natural products such as wine, grape seed oil and mastic resin, <i>Colloids Surfaces A</i> 460 (2014) 306-311.	2.354
5	Petzold G, Schwarz S, Dutschk V : Polyelectrolyte-surfactant complexes and their influence on the wettability of different polymer surfaces, <i>Colloid Polymer Sci</i> 292 (2014) 2197-2205.	2.410
6	Dutschk V , Karapantsios T, Liggieri L, McMillan N, Miller R, Starov VM: Smart and green interfaces: From single bubbles/drops to industrial environmental and biomedical applications, <i>Adv Colloid Interf Sci</i> 209 (2014) 109-126.	8.636
7	Sutanto S, Dutschk V , Mankiewicz J, van Roosmalen M, Warmoeskerken MMCG, Witkamp GJ: CO ₂ dry cleaning: Acoustic cavitation and other mechanisms to induce mechanical action, <i>J Supercritical Fluids</i> 89 (2014) 1-7.	2.571
8	Schmitt M, Limage S, Grigoriev DO, Kraegel J, Dutschk V , Vincent-Bonnieu S, Miller R, Antoni M: Transition from Spherical to Irregular Dispersed Phase in Water/Oil Emulsions, <i>Langmuir</i> 30 (2014) 4599-4604.	4.384
9	Amrit U, Hendrix R, Dutschk V , Warmoeskerken M: The survivor study of E coli with polyhexamethylene biguanide on cotton, <i>Text Res J</i> 83 (2013) 1663-1672.	1.332
10	Barani H, Montazer M, Calvimontes A, Dutschk V : Surface roughness and wettability of silver nanoparticles loaded wool fabrics: Influence of synthesis and application methods, <i>Text Res J</i> 83 (2013) 1310-1318.	1.332
11	Nasiriboroumand M, Dutschk V , Montazer M: Biosynthesis of silver nanoparticles using weld (<i>Reseda Luteola L.</i>) and their antimicrobial activity, <i>Ind Textila</i> 64 (2013) 123-128.	0.475
12	Dutschk V , Sutanto S, Calvimontes A: Cleanability of Textile Materials in Liquid CO ₂ , <i>Tenside Surf Det</i> 50 (2013) 21-25.	0.559
13	Zhao J, Ho Kingsley KC, Shamsuddin Siti-Ros, Bismarck A, Dutschk V : A comparative study of fibre/matrix interface in glass fibre reinforced polyvinylidene fluoride composites, <i>Colloid Surfaces A</i> 413 (2012) 58-64.	2.354
14	Dutschk V , Chen J, Petzold G, Vogel R, Clausse D, Rivera F, Liggieri L: The role of emulsifier in stabilization of emulsions containing colloidal alumina particles, <i>Colloid Surfaces A</i> 413 (2012) 239-247.	2.354
15	Zhao J, Milanova M, Warmoeskerken M, Dutschk V : Surface modification of TiO ₂ nanoparticles with silane coupling agents, <i>Colloid and Surfaces A</i> 413 (2012) 273-279.	2.354
16	Glampedaki P, Krägel J, Petzold G, Dutschk V , Miller R, Warmoeskerken M: Polyester textile functionalization through incorporation of pH/thermo-responsive microgels.	2.354

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17	Glampedaki P, Petzold G, Dutschk V , Miller R, Warmoeskerken M: Physicochemical properties of biopolymer-based polyelectrolyte complexes with controlled pH/thermo-responsiveness, <i>React Funct Polym</i> 72 (2012) 458-468.	2.822
18	Balda Irurzun U, Dutschk V , Calvimontes A, Akkerman R: Generation of micro-sized conductive lines on glass fibre fabrics by inkjet printing, <i>AUTEX Research Journal</i> 12 (2012) 56-61.	0.618
19	Calvimontes V, Lant N, Dutschk V : Cleanability improvement of cotton fabrics through their topographical changes due to the conditioning with cellulose enzyme, <i>J Surfactants Deterg</i> 14 (2011) 307-316.	1.352
20	Glampedaki P, Calvimontes A, Dutschk V , Warmoeskerken M: Polyester textile functionalization through incorporation of pH/thermo-responsive microgels. Part II: Polyester functionalization and characterization, <i>J Mater Sci</i> 47 (2011) 2078-2087.	2.305
21	Glampedaki V, Dutschk V , Jovic D, Warmoeskerken M: Functional finishing of aminated polyester using biopolymer-based polyelectrolyte microgels, <i>Biotechnology Journal</i> 6 (2011) 1219-1229.	3.708
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24	Calvimontes A, Mauersberger P, Nitschke M, Dutschk V , Simon F: Effects of oxygen plasma on cellulose surface, <i>Cellulose</i> 18 (2011) 803-809.	3.033
25	Calvimontes A, Saha R, Dutschk V : Topographical effects of O ₂ - and NH ₃ -plasma treatment on woven plain polyester fabric in adjusting hydrophilicity, <i>AUTEX Research Journal</i> 11 (2011) 24-30.	0.618
26	Varka E, Ampatzidis ChD, Kostoglou M, Karapantsios ThD, Dutschk V : On the use of electrical conductance measurements for the stability of oil-in-water Pickering emulsions, <i>Colloid Surfaces A</i> 365 (2010) 181-188.	2.354
27	Calvimontes A, Dutschk V , Stamm M: Advances in topographic characterization of textile materials, <i>Text Res J</i> 80 (2010) 1004-1015.	1.332
28	Slavchov R, Heinrich G, Dutschk V , Radoev B: Justification of biexponential rate law of spreading over heterogeneous and rough surfaces, <i>Colloid Surfaces A</i> 354 (2009) 252-260.	2.354
29	Calvimontes A, Stamm M, Dutschk V : Effect of cellulase enzyme on cellulose nano-topography, <i>Tenside Surf Det</i> 46 (2009) 368-372.	0.559
30	Hasan MMB, Calvimontes A, Dutschk V : Correlation between wettability and cleanability of polyester fabrics modified by a soil release polymer and their topographic structure, <i>J Surfactants Deterg</i> 12 (2009) 285-294.	1.352
31	Hasan MMB, Dutschk V , Brünig H, Mäder E, Häußler L, Häßler R, Cherif Ch, Heinrich G: Comparison of tensile, thermal, and thermo-mechanical properties of polyester filaments having different cross-sectional shape, <i>J Appl Polym Sci</i> 111 (2008) 805-812.	1.640
32	Lee KS, Ivanova N, Starov VM, Hilal N, Dutschk V : Kinetics of wetting and spreading by aqueous surfactant solutions (Review), <i>Adv Colloid Interfac</i> 144 (2008) 54-65.	8.636
33	Hasan MMB, Calvimontes A, Synytska A, Dutschk V : Effects of topographic structure on wettability of differently woven fabrics, <i>Text Res J</i> 78 (2008) 996-1003.	1.332
34	Synytska A, Ionov L, Dutschk V , Stamm M, Grundke K: Wetting on regularly structured surfaces from 'core-shell' particles: Theoretical predictions and experimental findings, <i>Langmuir</i> 24 (2008) 11895-11901.	4.384
35	Hasan MMB, Dutschk V , Calvimontes A, Hoffmann G, Heinrich G, Cherif Ch: Influence of the cross-sectional geometry on wettability and cleanability of polyester woven fabrics, <i>Tenside Surf Det</i> 45 (2008) 274-279.	0.559

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37	Dutschk V , Myat Su Su, Martin J, Stolz M, Breitzke B, Cherif Ch, Heinrich G: A comparative analysis between different ether carboxylic acids with respect to wettability and surface topography of abrasively treated polyester fabrics, <i>Tenside Surf Det</i> 44 (2007) 348-354.	0.559
38	Zschoche S, David R, Tavana H, Pöschel K, Petong N, Dutschk V , Grundke K, Neumann AW: Robustness of wetting and morphology of maleimide copolymer films to choice of solvent and annealing, <i>Colloids Surfaces A</i> 307 (2007) 53-61.	2.354
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40	Mikhaylova Y, Dutschk V , Müller M, Grundke K, Eichhorn K-J, Voit B: Dynamic surface properties of hyperbranched aromatic polyester (HBP). II. Adsorption behaviour of human serum albumin (HSA) on HBP thin layers using dynamic contact angle measurements and ellispometry, <i>Colloids Surfaces A</i> 297 (2007) 19-29.	2.354
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43	Synytska A, Ionov L, Dutschk V , Minko S, Eichhorn K-J, Stamm M, Grundke K: Regular Patterned Surfaces from Core-Shell Particles. Preparation and Characterisation, <i>Progress Colloid Polymer Sci</i> 132 (2006) 72-81.	–
44	Miller R, Grigoriev D, Krägel J, Makievski AV, Fainerman VB, Kovalchuk VI, Liggieri L, Ravera F, Ferrari M, Santini E, Logio G, Dutschk V , Karapantsios T: Project proposal for the investigation of particle-stabilised emulsions and foams by microgravity experiments", <i>Microgravity Science Technology</i> 18 (2006) 104-107.	0.648
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46	Dutschk V , Breitzke B: Spreading characteristics of aqueous surfactant solutions on polymer surfaces <i>Tenside Surf Det</i> 42 (2005) 82-87.	0.559
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52	Brantseva TV, Gorbatkina YuA, Mäder E, Dutschk V , Kerber ML: Modification of epoxy resin by polysulfone to improve the interfacial and mechanical properties in glass fibre composites. II. Adhesion of the epoxy-polysulfone matrices to glass fibres, <i>J Adhes Sci Technol</i> 18 (2004) 1293-130.	1.153
53	Brantseva TV, Gorbatkina YuA, Dutschk V , Schneider K, Häßler R: Modification of epoxy resin by polysulfone to improve the interfacial and mechanical properties in glass fibre composites. III. Properties of the cured blends and their structures in the polymer/fibre interphase, <i>J Adhes Sci Technol</i> 18 (2004) 1309-1324.	1.153

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Bücher, Buchbeiträge

#	Buch/Buchbeitrag
1	Dutschk V : Bioinspired Interfaces for Self-cleaning Technologies, Chapter 10 in: Bio- and Bioinspired Nanomaterials (Eds. D. Ruiz-Molina, F Novio, C. Roscini), Wiley-VCH, 2015, pp. 257-276; ISBN: 978-3-527-33581-7.
2	Glampedaki P, Dutschk V : Superabsorbent finishes for textiles, Chapter 9 in: Functional Finishes for Textiles: Improving Comfort, Performance and Protection (Ed. Roshan Paul), 2015, pp. 283-302; ISBN: 978-0-857-09839-9.
3	Dutschk V : Surface wetting: From a phenomenon to an important analytical tool, Chapter in: Without bounds: a scientific canvas of nonlinearity and complex dynamics (Ed. R.G. Rubio et al.), Springer, 2013, pp. 227-257; ISBN: 978-3-642-34069-7.
4	Dutschk V , Marmur A: The contact angle as an analytical tool, Chapter in: Colloid and Interface Chemistry for Nanotechnology (Ed. P. Kralchevsky et al.), Progress in Colloid and Interface Series. CRC Press, 2013; ISBN 978-1-466-56905-8.
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6	Dutschk V , Calvimontes A, Stamm M: Wetting dynamics of aqueous surfactant solutions on polymer surfaces, Chapter 3 in: Drops and Bubbles in Contact with Solid Surfaces (Eds. Miller R, Ferrari M, Liggieri L), Volume 3, CRC Press, 2013, pp. 71-92; ISBN: 978-1-4665-7545-5.
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10	Pisanova E, Dutschk V , Zhandarov S, Mäder E: Fundamental and practical adhesion in polymer-fiber systems in: Polymer Surface Modification: Relevance to Adhesion (Ed. K.L. Mittal) Vol. 2 (2000).

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1	Calvimontes A, Dutschk V , Koch H, Voit B: New detergency aspects through visualisation of soil release polymer films on textile surfaces, Proceedings, 42 nd International Detergency Conference 23-26 June 2005, Düsseldorf.
2	Myat S S, Martin J, Dutschk V , Stolz M, Breitzke B, Cherif Ch, Heinrich A: A comparative analysis between different spin finishes with respect to wettability and surface topography of polyester fabrics mechanically treated by abrasion, Proceeding, 43 rd International Detergency Conference, 24-26 April 2007, Düsseldorf.
3	Myat S S, Dutschk V , Brüning H, Martin J, Stolz M, Breitzke B, Cherif Ch, Heinrich G: Friction of polyester yarns modified with spin finishes during the melt-spinning process, Proceeding, 43 rd International Detergency Conference, 24-26 April 2007, Düsseldorf.
4	Dutschk V , Stöckelhuber W, Albrecht V, Geißler U, Simon F, Petzold G, Bellmann C: Differently modified synthetic alumina particles as stabilizer of w/o emulsions: surface properties and dispersing mechanisms, Proceedings, PARTEC 2007, 27-29 March 2007, Nürnberg.
5	Nasiriboroumand M, Dutschk V , Montazer M: Laccase-mediated dyeing of wool fabric with Weld (Reseda Luteola L.), Proceedings, 5 th edition of TEXTEH international conference, 2012.
6	Kazlauske J, Dutschk V , Liesiene J: Preparation of cellulose-based sponges for wound dressing and healing, Proceedings, 13 th World Textile Conference, May 22-24, 2013, Dresden Germany
8	Nasiriboroumand M, Montazer M, Dutschk V: Green synthesis of silver nanoparticles using extracted dye from Punica Granatum and their antimicrobial activity, Proceedings, International Istanbul Textile Congress 2013, Innovative and Functional Textiles, Istanbul, May 30 – June 1, 2013, Istanbul.
9	Dutschk V , Nasiriboroumand M, Zhao J: Multi-functional complex liquids for coating semi-porous surfaces, Proceedings, International Istanbul Textile Congress 2013, Innovative and Functional Textiles, Istanbul, May 30 – June 1, 2013, Istanbul.
10	Kazlauske J, Nasiriboroumand M, Dutschk V , Liesiene J: Cellulose-based sponges for wound dressing and healing. In: International Istanbul Textile Congress 2013, Innovative and Functional Textiles, Istanbul, May 30 – June 1, 2013, Istanbul.