

KRÜSS Literature List: DSA30

Number	Title	Authors	Journal	Year	Vol./No.	Pages
4212	Slippery Liquid-Infused Porous Surfaces (SLIPS) and Surface Acoustic Wave Droplet Transportation	J. T. Luo ,N. R. Gerald, J. H. Guan, G. McHale, G. G . Wells, Y. Q. Fu	Physical Review Applied	2017	7/1	
4217	Influence of Fluorinated Surfactant Composition on the Stability of Emulsion Drops	Gianluca Etienne, Michael Kessler, Esther Amstad	Macromolecular Chemistry and Physics	2017	218	1600365
4245	Influence of Alkyl Chain Length of Alpha Olefin Sulfonates on Surface and Interfacial Properties	Yong Wang, Xiaochen Liu, Long Bai & Jinping Niu	Journal of Dispersion Science and Technology	2017		
4165	Synthesis and Properties of Dioctyl Diphenyl Ether Disulfonate Gemini Surfactant	Tiliu Jiao, Xiaochen Liu, Xiaoyu Wang, and Jinping Niu	Tenside Surfactants Detergents	2016	53/4	313-318
4191	Self-adhesive resin cements: pH-neutralization, hydrophilicity, and hygroscopic expansion stress	Lena Roedel; Vera Bednarzig; Renan Belli; Anselm Petschelt; Ulrich Lohbauer; José Zorzín	Clinical Oral Investigations	2016		1-7
4216	Graphene oxide at oil-water interfaces: Adsorption, assembly & demulsification	Shenwen Fang, Ting Chen, Bin Chen, Yan Xiong, Ying Zhu, Ming Duan	Colloids and Surfaces A: Physicochemical and Engineering Aspects	2016	511	47-54
4206	Composite Coatings Composed of Biopolymers and SiO ₂ nanoparticles	Tóbiás Eszter, Dr. Bódiss János, Dr. Fazakas Éva, Dr. Hórvölgyi Zoltán	22nd International Conference on Chemistry	2016		44
4214	Functional modification of poly(vinyl alcohol) by copolymerizing with a hydrophobic cationic double alkyl-substituted monomer	Jiaojiao Ma, Xiande Yin, Hongqin Xiao, Ying Li, Jianjun Bao	Journal of Applied Polymer Science	2016	133/36	
4218	Electroanalytical Performance of a Carbon Paste Electrode Modified by Coffee Husks for the Quantification of Acetaminophen in Quality Control of Commercialized Pharmaceutical Tablets	Serge Foukmeniok Mbokou, Maxime Pontié, Jean-Philippe Bouchara, Francis Merlin Melatagua Tchieno, Evangeline Njanja, Assad Mogni, Pierre Yves Pontalier, and Ignas Kenfack Tonle	International Journal of Electrochemistry	2016	Volume 2016	10 pages
4147	Under high dynamic load	Eduard Kraus, Ulrich Hack, Benjamin Baudrit, Peter Heidemeyer, Martin Bastian, Thomas Wollheim, Roland Caps, Werner Wiegmann, Marc Fricke	ADHESION ADHESIVES & SEALANTS	2016	13/2	34-39
4215	Corrosion of silver alloys in sulphide environments: a multianalytical approach for surface characterisation	I. Tissot, O. C. Monteiro, M. A. Barreiros, V. Corregidor, J. Correia and M. F. Guerra	RSC Advances	2016	6	51856 – 51863
4213	An evaluation of complementary approaches to elucidate fundamental interfacial phenomena driving adhesion of energetic	Darby J. Hoss, Robert Knepper, Peter J. Hotchkiss, Alexander S. Tappan, Bryan W. Boudouris, Stephen P.	Journal of Colloid and Interface Science	2016	473	28–33

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	materials	Beaudoin				
4086	Surface Modification of Polyamide 6,6 Fabrics with an Alkaline Protease - Subtilisin	Setara Begum, Jindan Wu, Carrington M. Takawira, Jiping Wang	Journal of Engineered Fibers and Fabrics	2016	11/1	2016
4189	Surface Treatment of Polymers by an Ultraviolet Laser to Improve Adhesion Quality	E. Kraus, B. Baudrit, P. Heidemeyer, M. Bastian, O. V. Stoyanov, and I. A. Starostina	Polymer Science Series D	2016	9	5-12
4205	Identification of Dewetting Stages and Preparation of Single Chain Gold Nanoparticle Rings by Colloidal Lithography	Norbert Nagy, Dániel Zámbó, Szilárd Pothorszky, Eszter Gergely-Fülöp and András Deák	Langmuir	2016	32/4	963-971
4080	Fabrication of novel superhydrophilic and underwater superoleophobic hierarchically structured ceramic membrane and its separation performance of oily wastewater	Ting Chen, Ming Duan, Shenwen Fang	Ceramics International	2016		
4185	Relevance of the acid-base approach in prediction of adhesion properties in two-component injection moulding	Eduard Kraus, Sonja Horvat, Christian Deubel, Christian Staudigel, Benjamin Baudrit, Peter Heidemeyer, Martin Bastian, Irina Starostina, Oleg Stoyanov	J. APPL. POLYM. SCI.	2016	133/8	43048-43048
4078	Elaboration and characterization of fluorohydroxyapatite and fluoroapatite sol−gel coatings on CoCrMo alloy	D. Covaciu Romonti, J. Iskra, M. Beke, I. Demetrescu, I. Milosev	Journal of Alloys and Compounds	2016	665	355-364
4188	Leidenfrost transition temperature for stainless steel meshes	Nicasio R. Geraldi, Glen McHale, Ben B. Xu, Gary G. Wells, Linzi E. Dodd, David Wood, Michael I. Newton	Material Letters	2016	176	205-208
4190	Electrowetting on a multi-walled carbon nanotube membrane with different droplet sizes in an electric field	Wenbin Cui, Hongbin Ma, Bohan Tian, Yulong Ji, Fengmin Su	Journal of Materials Science	2016	51	4031-4036
4183	Surface wetting of selected wood species by water during initial stages of weathering	Eliška Oberhofnerová, Miloš Pánek	Wood Research	2016	61/4	545-552
4204	Bilayered (silica-chitosan) coatings for studying dye release in aqueous media: The role of chitosan properties	Mátyás Dabóczy, Emöke Albert, Emil Agócs, Márta Kabai-Faix, Zoltán Hórvölgyi	Carbohydrate Polymers	2016	136	137-145
4060	Innovative Applications of Surface Wettability Measurements for Plasma-Modified Three-Dimensional Porous Polymeric Materials: A Review	Morgan J. Hawker, Adoracion Pegalajar-Jurado, Ellen R. Fisher	Plasma Processes and Polymers	2015	12/9	846-863
4063	Nanostructured superhydrophobic films synthesized by electrodeposition of	Gabriela Ramos Chagas, Thierry Darmanin, Frédéric Guitard	Beilstein Journal of Nanotechnology	2015	6	2078-2087

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	fluorinated polyindoles					
4196	Effect of nano-montmorillonite as cell opener on cell morphology and resilient performance of slow-resilience flexible polyurethane foams	Jing Zou, Yanzhou Lei, Mei Liang, Huawei Zou	Journal of Polymer Research	2015	22/201	
4197	Bi-layered porous constructs of PCL-coated 45S5 bioactive glass and electrospun collagen-PCL fibers	Preethi Balasubramanian; Judith A. Roether; Dirk W. Schubert; Justus P. Beier; Aldo R. Boccaccini	Journal of Porous Materials	2015	22/5	1215-1226
4198	Biosynthesis, property comparison, and hemocompatibility of bacterial and haloarchaeal poly(3-hydroxybutyrate-co-3-hydroxyvalerate)	Youxi Zhao, Zhiming Rao, Yanfen Xue, Ping Gong, Yizhi Ji, Yanhe Ma	Science Bulletin	2015	60/22	1901-1910
4200	TEOS-based treatments for stone consolidation: acceleration of hydrolysis-condensation reactions by poulticing	Krystelle Lioni, Bérangere Toury, Cédric Boissiere, Stéphane Benayoun, Philippe Miele	Journal of Sol-Gel Science and Technology	2015	74/2	398-405
4192	Polymer-grafted modification of cotton fabrics by SI-ARGET ATRP	Xia Dong, Haifeng Bao, Kangkang Ou, Jinlong Yao, Wei Zhang, and Jinxin He	Fibres and Polymers	2015	16/7	1478-1486
3995	Synthesis and surface Properties of Disodium Monoalkyl Diphenyl Oxide Disulfonate	Jing Huo, Xiaochen Liu, Jinping Niu	Journal of Surfactants and Detergents	2015	18	523-528
4000	Staudinger Vilarassa reaction: A powerful tool for surface modification and superhydrophobic properties	Guilhem Godeau, Thierry Darmanin, Frédéric Guittard	Journal of Colloid and Interface Science 457	2015		72-77
4194	Thermo-responsive superhydrophobic paper using nanostructured cellulose stearoyl ester	Andreas Geissler, Florian Loyal, Markus Biesalski, Kai Zhang	Cellulose	2014	21/1	357-366
4195	Effect of surface roughness of biomaterials on Staphylococcus epidermidis adhesion	Itaru Yoda, Hironobu Koseki, Masato Tomita, Takayuki Shida, Hidehiko Horiuchi, Hideyuki Sakoda and Makoto Osak	BMC Microbiology	2014	14/234	
3727	Surface Pressure Isotherm for a Monolayer of Charged Colloidal Particles at a Water/Nonpolar-Fluid Interface: Experiment and Theoretical Model	Plamen V. Petkov, Krassimir D. Danov, and Peter A. Kralchevsky	Langmuir	2014	30	2768−2778
3818	Development and characterization of novel electrically conductive PANI-PGS composites for cardiac tissue engineering application	Taimoor H. Qazi, Ranjana Rai, Dirk Dippold, Judith E. Roether, Dirk W. Schubert, Elisabetta Rosellini, Nicoletta Barbani, Aldo R. Boccaccini	Acta Biomaterialia	2014	10	2434-2445
3839	Preparation and characterizations of poly(vinylidene fluoride)/oxidized multi-wall carbon nanotube membranes with bi-continuous structure by thermally induced phase separation method	Hai-Peng Xu, Wan-Zhong Langn, Xi Yan, Xuan Zhang, Ya-Jun Guo	Journal of Membrane Science	2014	467	142-152

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3877	Wettability of poly(3-alkyl-3,4-propylenedioxythiophene) fibrous structures forming nanoporous, microporous or micro/nanostructured networks	Thierry Darmanin, Frederic Guittard	Materials Chemistry and Physics	2014	146	6-11
3879	Synthesis and characterization of core-shell latex: Effect of fluorinated acrylic monomer on properties of polyacrylates	Wei Yang, Liqun Zhu, Yichi Chen	Journal of Fluorine Chemistry	2014	157	35-40
4103	Patterning of transparent electronic components by inkjet printing	Aleksander Matavz, Raluca C. Frunza, Barbara Malic	MIDEM	2014		
4193	Investigation of the plasma effects on wood after activation by diffuse coplanar surface barrier discharge	Christian Lux, Zsolt Szalay, Wilfried Beikircher, Dusan Kovacic, Hans K. Pulker	European Journal of Wood and Wood Products	2013	71/5	539-549
4199	Hybrid silica coatings on polycarbonate: enhanced properties	Krystelle Lioni, Béranère Toury, Cédric Boissière, Stéphane Benayoun, Philippe Miele	Journal of Sol-Gel Science and Technology	2013	65/1	52-60
3442	Synthesis and characterization of the fluorinated acrylic latex: Effect of fluorine-containing surfactant on properties of the latex film	Wei Yang, Yichi Chen, Dongxiao Han, Liqun Zhu	Journal of Fluorine Chemistry	2013	149	8-12
3526	New non-covalent strategies for stable surface treatment of thermoplastic chips	Karla Perez-Toralla,, Jérôme Champ, Mohamad Reza Mohamadi, Olivier Braun, Laurent Malaquin, Jean-Louis Viovy, Stéphanie Descroix	Lab on a Chip	2013		
3836	Compositions for destroying water-oil emulsions based on oligourethanes and ionogenic surface active substances (in russian)	Rifat Mingazov	doctoral thesis	2012		
2880	Triple-Line Behavior and Wettability Controlled by Nanocoated Substrates: Influence on Sessile Drop Evaporation	B. Sobac, D. Brutin	Langmuir	2011	27/24	14999-15007
2498	Surfactant dependent toxicity of lipid nanocapsules in HaCaT cells	Caroline Maupas, Brice Moulari, Arnaud Béduneau, Alf Lamprecht, Yann Pellequer	International Journal of Pharmaceutics	2011	411/1-2	136-141
3285	Experimental Study on the Adhesion of Single Crystals on Modified Surfaces in Crystallization Fouling	M. Mayer, W. Augustin, S. Scholl	Heat Exchanger Fouling and Cleaning	2011		235-242
2663	Synthesis and characterisation of copper, polyimide and TIPS-pentacene layers in the development of a solution processed fibrous transistor	Bram Van Genabet	Masters dissertation	2010		1-174
2658	Copper Protection by Phosphonic Acid Self-Assembled Monolayers	Joana F. Cabrita, Ana S. Viana, Luisa M. Abrantes	Corros. Prot. Mater.	2010	29/4	114-119