

Publications

Prof. Dr. Rumen Krastev

2018

Hybrid graphene oxide/polysaccharide nanocomposites with controllable surface properties and biocompatibility

T. D. Andreeva, S. Stoichev, S. G. Taneva, R. Krastev *Carbohydrate Polymers* **181** (2018) 78–85

Controlled heparinase-catalyzed degradation of polyelectrolyte multilayer capsules with heparin as responsive layer

Lili Sun, Xin Xiong, Qiaogen Zou, Pingkai Ouyang, Rumen Krastev *Journal of Applied Polymer Science* **134**(23) (2017)

Biofunctionalization of surfaces using polyelectrolyte multilayers

Hanna Hartmann, Rumen Krastev *BioNanoMaterials* **18** (1-2) (2017)

Regulation of the growth, morphology, mechanical properties and biocompatibility of natural polysaccharide-based multilayers by Hofmeister anions

T. Andreeva, H. Hartmann, S. Taneva, R. Krastev *J. Materials Chemistry B* (2016) eingereicht

Design of intelligent chitosan/heparin hollow microcapsules for drug delivery

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Drug release from liposome coated hydrogels for soft contact lenses: the blinking and temperature effect

P. Paradiso, R. Colaço, J.L.G. Mata, R. Krastev, B. Saramago, A.P. Serro *Journal of Biomedical Materials Research: Part B - Applied Biomaterials ASAP* (2016)

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T. D. Andreeva, A. K. Danailova, P. Terziyska, S. B. Krumova, S. G. Taneva, R. Krastev *Bulgarian Chemical Communications* **48** (2016) 23 – 28

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J. Früh, A. Rühm, H. Möhwald, R. Krastev, R. Köhler *Physica B* **457** (2015) 202–211

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Interactions in lipid stabilised foam films

J. L. Toca-Herrera, N. Krasteva, H.-J. Müller, R. Krastev *Adv.Coll. Interf. Sci.* **207** (2014) 93-106

Surface relaxations as a tool to distinguish the dynamic interfacial properties of films formed by normal and diseased meibomian lipids
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