

Heike M A Ehmann

List of Publications by Year in descending order

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34
papers

684
citations

430874

18
h-index

552781

26
g-index

34
all docs

34
docs citations

34
times ranked

1138
citing authors

#	ARTICLE	IF	CITATIONS
1	Gold nanoparticles in the engineering of antibacterial and anticoagulant surfaces. <i>Carbohydrate Polymers</i> , 2015, 117, 34-42.	10.2	42
2	Watching cellulose grow â€“ Kinetic investigations on cellulose thin film formation at the gasâ€“solid interface using a quartz crystal microbalance with dissipation (QCM-D). <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012, 400, 67-72.	4.7	39
3	Design of simultaneous antimicrobial and anticoagulant surfaces based on nanoparticles and polysaccharides. <i>Journal of Materials Chemistry B</i> , 2013, 1, 2022.	5.8	39
4	Design of anticoagulant surfaces based on cellulose nanocrystals. <i>Chemical Communications</i> , 2014, 50, 13070-13072.	4.1	39
5	Surface Mediated Structures: Stabilization of Metastable Polymorphs on the Example of Paracetamol. <i>Crystal Growth and Design</i> , 2014, 14, 3680-3684.	3.0	38
6	Surface-Sensitive Approach to Interpreting Supramolecular Rearrangements in Cellulose by Synchrotron Grazing Incidence Small-Angle X-ray Scattering. <i>ACS Macro Letters</i> , 2015, 4, 713-716.	4.8	38
7	Enzymatic digestion of partially and fully regenerated cellulose model films from trimethylsilyl cellulose. <i>Carbohydrate Polymers</i> , 2013, 93, 191-198.	10.2	37
8	Polymer Encapsulation of an Amorphous Pharmaceutical by initiated Chemical Vapor Deposition for Enhanced Stability. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 21177-21184.	8.0	33
9	Surface Modifications Using a Water-Stable Silanetriol in Neutral Aqueous Media. <i>ACS Applied Materials & Interfaces</i> , 2010, 2, 2956-2962.	8.0	32
10	Silanolâ€“Based Surfactants: Synthetic Access and Properties of an Innovative Class of Environmentally Benign Detergents. <i>Chemistry - A European Journal</i> , 2014, 20, 9330-9335.	3.3	28
11	A Benzobis(thiazole)-Based Copolymer for Highly Efficient Non-Fullerene Polymer Solar Cells. <i>Chemistry of Materials</i> , 2019, 31, 919-926.	6.7	28
12	Surface-Induced Polymorphism as a Tool for Enhanced Dissolution: The Example of Phenytoin. <i>Crystal Growth and Design</i> , 2015, 15, 4687-4693.	3.0	27
13	Impact of Drying on Solid State Modifications and Drug Distribution in Ibuprofen-Loaded Calcium Stearate Pellets. <i>Molecular Pharmaceutics</i> , 2014, 11, 599-609.	4.6	25
14	Long-Chain Li and Na Alkyl Carbonates as Solid Electrolyte Interphase Components: Structure, Ion Transport, and Mechanical Properties. <i>Chemistry of Materials</i> , 2018, 30, 3338-3345.	6.7	25
15	Biobased Cellulosicâ€“CulnS ₂ Nanocomposites for Optoelectronic Applications. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 3115-3122.	6.7	24
16	Reversibility of temperature driven discrete layer-by-layer formation of dioctyl-benzothieno-benzothiophene films. <i>Soft Matter</i> , 2017, 13, 2322-2329.	2.7	22
17	Controlling Indomethacin Release through Vapor-Phase Deposited Hydrogel Films by Adjusting the Cross-linker Density. <i>Scientific Reports</i> , 2018, 8, 7134.	3.3	22
18	Generalized Indirect Fourier Transformation as a Valuable Tool for the Structural Characterization of Aqueous Nanocrystalline Cellulose Suspensions by Small Angle X-ray Scattering. <i>Langmuir</i> , 2013, 29, 3740-3748.	3.5	21

#	ARTICLE	IF	CITATIONS
19	Morphologies in Solvent-Annealed Clotrimazole Thin Films Explained by Hansen-Solubility Parameters. <i>Crystal Growth and Design</i> , 2014, 14, 1386-1391.	3.0	16
20	On the formation of Bi ₂ S ₃ -cellulose nanocomposite films from bismuth xanthates and trimethylsilyl-cellulose. <i>Carbohydrate Polymers</i> , 2017, 164, 294-300.	10.2	13
21	Wrinkle formation in a polymeric drug coating deposited via initiated chemical vapor deposition. <i>Soft Matter</i> , 2016, 12, 9501-9508.	2.7	12
22	Morphologies of Phenytoin Crystals at Silica Model Surfaces: Vapor Annealing versus Drop Casting. <i>Journal of Physical Chemistry C</i> , 2014, 118, 12855-12861.	3.1	11
23	Photoreductive generation of amorphous bismuth nanoparticles using polysaccharides "Bismuth" cellulose nanocomposites. <i>Carbohydrate Polymers</i> , 2015, 116, 261-266.	10.2	10
24	Reliable surface area determination of powders and meso/macroporous materials: Small-angle X-ray scattering and gas physisorption. <i>Microporous and Mesoporous Materials</i> , 2022, 329, 111554.	4.4	10
25	Crystallographic Textures and Morphologies of Solution Cast Ibuprofen Composite Films at Solid Surfaces. <i>Molecular Pharmaceutics</i> , 2014, 11, 4084-4091.	4.6	9
26	One Polymorph and Various Morphologies of Phenytoin at a Silica Surface Due to Preparation Kinetics. <i>Crystal Growth and Design</i> , 2015, 15, 326-332.	3.0	8
27	Synthesis of a tetrazine" quaterthiophene copolymer and its optical, structural and photovoltaic properties. <i>Journal of Materials Science</i> , 2019, 54, 10065-10076.	3.7	8
28	Non-contact-mode AFM induced versus spontaneous formed phenytoin crystals: the effect of layer thickness. <i>CrystEngComm</i> , 2014, 16, 4950-4954.	2.6	7
29	Alteration of texture and polymorph of phenytoin within thin films and its impact on dissolution. <i>CrystEngComm</i> , 2016, 18, 588-595.	2.6	7
30	Dissolution Testing of Hardly Soluble Materials by Surface Sensitive Techniques: Clotrimazole from an Insoluble Matrix. <i>Pharmaceutical Research</i> , 2014, 31, 2708-2715.	3.5	6
31	Cellulose and Other Polysaccharides Surface Properties and Their Characterisation. , 2012, , 215-251.		5
32	A pyrrolopyridazinedione-based copolymer for fullerene-free organic solar cells. <i>New Journal of Chemistry</i> , 2021, 45, 1001-1009.	2.8	3
33	In Situ Structural Changes of Biological Macromolecules with BioSAXS. <i>Biophysical Journal</i> , 2017, 112, 580a.	0.5	0
34	A laboratory rheo-SAXS setup " relating nanostructure to macroscopic properties in one go. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2019, 75, e648-e648.	0.1	0