Heike M A Ehmann

List of Publications by Year
in descending order

34	684	430874 18	552781 26
papers	citations	h-index	g-index

34	34	34	1138
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Reliable surface area determination of powders and meso/macroporous materials: Small-angle X-ray scattering and gas physisorption. Microporous and Mesoporous Materials, 2022, 329, 111554.	4.4	10
2	A pyrrolopyridazinedione-based copolymer for fullerene-free organic solar cells. New Journal of Chemistry, 2021, 45, 1001-1009.	2.8	3
3	Synthesis of a tetrazineâ€“quaterthiophene copolymer and its optical, structural and photovoltaic properties. Journal of Materials Science, 2019, 54, 10065-10076.	3.7	8
4	A Benzobis(thiazole)-Based Copolymer for Highly Efficient Non-Fullerene Polymer Solar Cells. Chemistry of Materials, 2019, 31, 919-926.	6.7	28
5	A laboratory rheo-SAXS setup â€“ relating nanostructure to macroscopic properties in one go. Acta Crystallographica Section A: Foundations and Advances, 2019, 75, e648-e648.	0.1	0
6	Long-Chain Li and Na Alkyl Carbonates as Solid Electrolyte Interphase Components: Structure, Ion Transport, and Mechanical Properties. Chemistry of Materials, 2018, 30, 3338-3345.	6.7	25
7	Controlling Indomethacin Release through Vapor-Phase Deposited Hydrogel Films by Adjusting the Cross-linker Density. Scientific Reports, 2018, 8, 7134.	3.3	22
8	On the formation of Bi 2 S 3 -cellulose nanocomposite films from bismuth xanthates and trimethylsilyl-cellulose. Carbohydrate Polymers, 2017, 164, 294-300.	10.2	13
9	Biobased Cellulosicâ€“CuInS₂ Nanocomposites for Optoelectronic Applications. ACS Sustainable Chemistry and Engineering, 2017, 5, 3115-3122.	6.7	24
10	Reversibility of temperature driven discrete layer-by-layer formation of dioctyl-benzothieno-benzothiophene films. Soft Matter, 2017, 13, 2322-2329.	2.7	22
11	In Situ Structural Changes of Biological Macromolecules with BioSAXS. Biophysical Journal, 2017, 112, 580a.	0.5	0
12	Wrinkle formation in a polymeric drug coating deposited via initiated chemical vapor deposition. Soft Matter, 2016, 12, 9501-9508.	2.7	12
13	Polymer Encapsulation of an Amorphous Pharmaceutical by initiated Chemical Vapor Deposition for Enhanced Stability. ACS Applied Materials & Interfaces, 2016, 8, 21177-21184.	8.0	33
14	Alteration of texture and polymorph of phenytoin within thin films and its impact on dissolution. CrystEngComm, 2016, 18, 588-595.	2.6	7
15	One Polymorph and Various Morphologies of Phenytoin at a Silica Surface Due to Preparation Kinetics. Crystal Growth and Design, 2015, 15, 326-332.	3.0	8
16	Surface-Sensitive Approach to Interpreting Supramolecular Rearrangements in Cellulose by Synchrotron Grazing Incidence Small-Angle X-ray Scattering. ACS Macro Letters, 2015, 4, 713-716.	4.8	38
17	Surface-Induced Polymorphism as a Tool for Enhanced Dissolution: The Example of Phenytoin. Crystal Growth and Design, 2015, 15, 4687-4693.	3.0	27
18	Photoreductive generation of amorphous bismuth nanoparticles using polysaccharides â€“ Bismuthâ€“cellulose nanocomposites. Carbohydrate Polymers, 2015, 116, 261-266.	10.2	10

#	Article	IF	Citations
19	Gold nanoparticles in the engineering of antibacterial and anticoagulant surfaces. Carbohydrate Polymers, 2015, 117, 34-42.	10.2	42
20	Crystallographic Textures and Morphologies of Solution Cast Ibuprofen Composite Films at Solid Surfaces. Molecular Pharmaceutics, 2014, 11, 4084-4091.	4.6	9
21	Non-contact-mode AFM induced versus spontaneous formed phenytoin crystals: the effect of layer thickness. CrystEngComm, 2014, 16, 4950-4954.	2.6	7
22	Morphologies in Solvent-Annealed Clotrimazole Thin Films Explained by Hansen-Solubility Parameters. Crystal Growth and Design, 2014, 14, 1386-1391.	3.0	16
23	Morphologies of Phenytoin Crystals at Silica Model Surfaces: Vapor Annealing versus Drop Casting. Journal of Physical Chemistry C, 2014, 118, 12855-12861.	3.1	11
24	Design of anticoagulant surfaces based on cellulose nanocrystals. Chemical Communications, 2014, 50, 13070-13072.	4.1	39
25	Surface Mediated Structures: Stabilization of Metastable Polymorphs on the Example of Paracetamol. Crystal Growth and Design, 2014, 14, 3680-3684.	3.0	38
26	Dissolution Testing of Hardly Soluble Materials by Surface Sensitive Techniques: Clotrimazole from an Insoluble Matrix. Pharmaceutical Research, 2014, 31, 2708-2715.	3.5	6
27	Silanolâ€Based Surfactants: Synthetic Access and Properties of an Innovative Class of Environmentally Benign Detergents. Chemistry - A European Journal, 2014, 20, 9330-9335.	3.3	28
28	Impact of Drying on Solid State Modifications and Drug Distribution in Ibuprofen-Loaded Calcium Stearate Pellets. Molecular Pharmaceutics, 2014, 11, 599-609.	4.6	25
29	Enzymatic digestion of partially and fully regenerated cellulose model films from trimethylsilyl cellulose. Carbohydrate Polymers, 2013, 93, 191-198.	10.2	37
30	Design of simultaneous antimicrobial and anticoagulant surfaces based on nanoparticles and polysaccharides. Journal of Materials Chemistry B, 2013, 1, 2022.	5.8	39
31	Generalized Indirect Fourier Transformation as a Valuable Tool for the Structural Characterization of Aqueous Nanocrystalline Cellulose Suspensions by Small Angle X-ray Scattering. Langmuir, 2013, 29, 3740-3748.	3.5	21
32	Cellulose and Other Polysaccharides Surface Properties and Their Characterisation. , 2012, , 215-251.		5
33	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). Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2012, 400, 67-72.	4.7	39
34	Surface Modifications Using a Water-Stable Silanetriol in Neutral Aqueous Media. ACS Applied Materials & Interfaces, 2010, 2, 2956-2962.	8.0	32