Annette Andrieu-Brunsen

List of Publications by Year in Descending Order

44 papers	786 citations	15 h-index	26 g-index
47 ext. papers	940 ext. citations	5.9 avg, IF	4.18 L-index

#	Paper	IF	Citations
44	-Methyl-2-pyrrolidone as a Reaction Medium for Gold(III)-Ion Reduction and Star-like Gold Nanostructure Formation.. *ACS Omega*, **2022**, 7, 9484-9495	3.9	
43	Defined core-shell particles as the key to complex interfacial self-assembly.. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	4
42	Surface Plasmons and Visible Light Iniferter Initiated Polymerization for Nanolocal Functionalization of Mesoporous Separation Layers. *Advanced Functional Materials*, **2021**, 31, 2009732	15.6	3
41	Simultaneous Nanolocal Polymer and Readout Unit Placement in Mesoporous Separation Layers. *Analytical Chemistry*, **2021**, 93, 5394-5402	7.8	1
40	Influence of Wettability on the Impedance of Ion Transport Through Mesoporous Silica Films. *Advanced Materials Interfaces*, **2021**, 8, 2002095	4.6	1
39	Mesoporous Coatings with Simultaneous Light-Triggered Transition of Water Imbibition and Droplet Coalescence. *Advanced Materials Interfaces*, **2021**, 8, 2100252	4.6	1
38	Layer-selective functionalisation in mesoporous double layer via iniferter initiated polymerisation for nanoscale step gradient formation. *European Polymer Journal*, **2021**, 110604	5.2	2
37	Recent trends in nanopore polymer functionalization. *Current Opinion in Biotechnology*, **2020**, 63, 200-209	11.4	20
36	Wetting-Controlled Localized Placement of Surface Functionalities within Nanopores. *Small*, **2020**, 16, e1906463	11	10
35	Synthesis of a Smart Hybrid MXene with Switchable Conductivity for Temperature Sensing. *ACS Applied Nano Materials*, **2020**, 3, 4069-4076	5.6	14
34	Influence of Nanoconfinement on the pKa of Polyelectrolyte Functionalized Silica Mesopores. *Advanced Materials Interfaces*, **2020**, 7, 1901914	4.6	14
33	Surface-Plasmon- and Green-Light-Induced Polymerization in Mesoporous Thin Silica Films. *Langmuir*, **2020**, 36, 1671-1679	4	4
32	Functional Metalloblock Copolymers for the Preparation and In Situ Functionalization of Porous Silica Films. *Langmuir*, **2020**, 36, 4015-4024	4	5
31	Wettability-defined droplet imbibition in ceramic mesopores. *Nanoscale*, **2020**, 12, 24228-24236	7.7	3
30	Effect of Asymmetry on Plasmon Hybridization and Sensing Capacities of Hole-Disk Arrays. *Journal of Physical Chemistry C*, **2020**, 124, 2609-2618	3.8	5
29	The Interplay of Nanoconfinement and pH from the Perspective of a Dye-Reporter Molecule. *ChemNanoMat*, **2020**, 6, 1843-1853	3.5	0
28	Insights into the interplay of wetting and transport in mesoporous silica films. *Journal of Colloid and Interface Science*, **2020**, 560, 369-378	9.3	7

27	Influence of Chain Architecture on Nanopore Accessibility in Polyelectrolyte Block-Co-Oligomer Functionalized Mesopores. *Small*, **2019**, 15, e1902710	11	12
26	Systematic study on FRET-pair functionalization of mesoporous thin films for correlation of pH-sensing and ionic mesopore accessibility. *Microporous and Mesoporous Materials*, **2019**, 282, 29-37	5.3	7
25	Gravure printing for mesoporous film preparation.. *RSC Advances*, **2019**, 9, 23570-23578	3.7	11
24	Janus-Type Hybrid Paper Membranes. *Advanced Materials Interfaces*, **2019**, 6, 1900892	4.6	12
23	Fabrication and in situ functionalisation of mesoporous silica films by the physical entrapment of functional and responsive block copolymer structuring agents. *Soft Matter*, **2019**, 15, 8077-8083	3.6	5
22	Programming Ionic Pore Accessibility in Zwitterionic Polymer Modified Nanopores. *Langmuir*, **2018**, 34, 807-816	4	15
21	Insights into the Role of Counterions on Polyelectrolyte-Modified Nanopore Accessibility. *Langmuir* , **2018**, 34, 5943-5953	4	6
20	Surface Enhanced DNP Assisted Solid-State NMR of Functionalized SiO2 Coated Polycarbonate Membranes. *Zeitschrift Fur Physikalische Chemie*, **2018**, 232, 1173-1186	3.1	5
19	Enzyme-Polymer Conjugates to Enhance Enzyme Shelf Life in a Liquid Detergent Formulation. *Macromolecular Bioscience*, **2018**, 18, e1800095	5.5	12
18	Immobilization of □amylase in polyelectrolyte complexes. *Journal of Applied Polymer Science*, **2017**, 134, 45036	2.9	6
17	Fluid Flow Programming in Paper-Derived Silica-Polymer Hybrids. *Langmuir*, **2017**, 33, 332-339	4	10
16	Optimisation of Surface-Initiated Photoiniferter-Mediated Polymerisation under Confinement, and the Formation of Block Copolymers in Mesoporous Films. *Polymers*, **2017**, 9,	4.5	16
15	Molecular transport properties of ZIF-8 thin films in aqueous environments: The critical role of intergrain mesoporosity as diffusional pathway. *Microporous and Mesoporous Materials*, **2016**, 220, 253-257	5.3	13
14	Photochromic spiropyran- and spirooxazine-homopolymers in mesoporous thin films by surface initiated ROMP. *Journal of Materials Chemistry C*, **2016**, 4, 4067-4076	7.1	39
13	Surface plasmon & visible light for polymer functionalization of mesopores and manipulation of ionic permselectivity. *Chemical Communications*, **2015**, 51, 11697-700	5.8	15
12	Mesoporous Thin Films, Zwitterionic Monomers, and Iniferter-Initiated Polymerization: Polymerization in a Confined Space. *Chemistry of Materials*, **2015**, 27, 1971-1981	9.6	30
11	Mesoporous Hybrid Thin Film Membranes with [email□protected] Architectures: Controlling Ionic Gating through the Tuning of Polyelectrolyte Density. *Chemistry of Materials*, **2015**, 27, 808-821	9.6	49
10	Controlling polymerization initiator concentration in mesoporous silica thin films. *Langmuir*, **2014**, 30, 369-79	4	10

9	Ferrocene Polymers for Switchable Surface Wettability. *Organometallics*, **2013**, 32, 5873-5878	3.8	88
8	Heterogeneous catalytic activity of platinum nanoparticles hosted in mesoporous silica thin films modified with polyelectrolyte brushes. *ACS Applied Materials & Interfaces*, **2013**, 5, 8833-40	9.5	29
7	Magnetic Composite Thin Films of FexOy Nanoparticles and Photocrosslinked Dextran Hydrogels. *Journal of Magnetism and Magnetic Materials*, **2012**, 324, 1488-1497	2.8	26
6	Photocrosslinkable dextran hydrogel films as substrates for osteoblast and endothelial cell growth. *Journal of Materials Chemistry*, **2012**, 22, 19590		18
5	Proton and calcium-gated ionic mesochannels: phosphate-bearing polymer brushes hosted in mesoporous thin films as biomimetic interfacial architectures. *Langmuir*, **2012**, 28, 3583-92	4	58
4	Light-activated gating and permselectivity in interfacial architectures combining "caged" polymer brushes and mesoporous thin films. *Chemical Communications*, **2012**, 48, 1422-4	5.8	53
3	Manipulation of molecular transport into mesoporous silica thin films by the infiltration of polyelectrolytes. *Langmuir*, **2011**, 27, 4328-33	4	37
2	Prostate specific antigen biosensor based on long range surface plasmon-enhanced fluorescence spectroscopy and dextran hydrogel binding matrix. *Analytical Chemistry*, **2009**, 81, 9625-32	7.8	101
1	Mechanistic Understanding and Three-Dimensional Tuning of Fluid Imbibition in Silica-Coated Cotton Linter Paper Sheets. *Advanced Materials Interfaces*,2200064	4.6	