

# Annette Andrieu-Brunsen

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Prostate specific antigen biosensor based on long range surface plasmon-enhanced fluorescence spectroscopy and dextran hydrogel binding matrix. <i>Analytical Chemistry</i> , <b>2009</b> , 81, 9625-32	7.8	101
43	Ferrocene Polymers for Switchable Surface Wettability. <i>Organometallics</i> , <b>2013</b> , 32, 5873-5878	3.8	88
42	Proton and calcium-gated ionic mesochannels: phosphate-bearing polymer brushes hosted in mesoporous thin films as biomimetic interfacial architectures. <i>Langmuir</i> , <b>2012</b> , 28, 3583-92	4	58
41	Light-activated gating and permselectivity in interfacial architectures combining "caged" polymer brushes and mesoporous thin films. <i>Chemical Communications</i> , <b>2012</b> , 48, 1422-4	5.8	53
40	Mesoporous Hybrid Thin Film Membranes with [email protected] Architectures: Controlling Ionic Gating through the Tuning of Polyelectrolyte Density. <i>Chemistry of Materials</i> , <b>2015</b> , 27, 808-821	9.6	49
39	Photochromic spiropyran- and spirooxazine-homopolymers in mesoporous thin films by surface initiated ROMP. <i>Journal of Materials Chemistry C</i> , <b>2016</b> , 4, 4067-4076	7.1	39
38	Manipulation of molecular transport into mesoporous silica thin films by the infiltration of polyelectrolytes. <i>Langmuir</i> , <b>2011</b> , 27, 4328-33	4	37
37	Mesoporous Thin Films, Zwitterionic Monomers, and Iniferter-Initiated Polymerization: Polymerization in a Confined Space. <i>Chemistry of Materials</i> , <b>2015</b> , 27, 1971-1981	9.6	30
36	Heterogeneous catalytic activity of platinum nanoparticles hosted in mesoporous silica thin films modified with polyelectrolyte brushes. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2013</b> , 5, 8833-40	9.5	29
35	Magnetic Composite Thin Films of Fe <sub>3</sub> O <sub>4</sub> Nanoparticles and Photocrosslinked Dextran Hydrogels. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2012</b> , 324, 1488-1497	2.8	26
34	Recent trends in nanopore polymer functionalization. <i>Current Opinion in Biotechnology</i> , <b>2020</b> , 63, 200-209	11.4	20
33	Photocrosslinkable dextran hydrogel films as substrates for osteoblast and endothelial cell growth. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 19590		18
32	Optimisation of Surface-Initiated Photoiniferter-Mediated Polymerisation under Confinement, and the Formation of Block Copolymers in Mesoporous Films. <i>Polymers</i> , <b>2017</b> , 9,	4.5	16
31	Surface plasmon & visible light for polymer functionalization of mesopores and manipulation of ionic permselectivity. <i>Chemical Communications</i> , <b>2015</b> , 51, 11697-700	5.8	15
30	Programming Ionic Pore Accessibility in Zwitterionic Polymer Modified Nanopores. <i>Langmuir</i> , <b>2018</b> , 34, 807-816	4	15
29	Synthesis of a Smart Hybrid MXene with Switchable Conductivity for Temperature Sensing. <i>ACS Applied Nano Materials</i> , <b>2020</b> , 3, 4069-4076	5.6	14
28	Influence of Nanoconfinement on the pK <sub>a</sub> of Polyelectrolyte Functionalized Silica Mesopores. <i>Advanced Materials Interfaces</i> , <b>2020</b> , 7, 1901914	4.6	14

27	Molecular transport properties of ZIF-8 thin films in aqueous environments: The critical role of intergrain mesoporosity as diffusional pathway. <i>Microporous and Mesoporous Materials</i> , <b>2016</b> , 220, 253-257	5.3	13
26	Influence of Chain Architecture on Nanopore Accessibility in Polyelectrolyte Block-Co-Oligomer Functionalized Mesopores. <i>Small</i> , <b>2019</b> , 15, e1902710	11	12
25	Enzyme-Polymer Conjugates to Enhance Enzyme Shelf Life in a Liquid Detergent Formulation. <i>Macromolecular Bioscience</i> , <b>2018</b> , 18, e1800095	5.5	12
24	Janus-Type Hybrid Paper Membranes. <i>Advanced Materials Interfaces</i> , <b>2019</b> , 6, 1900892	4.6	12
23	Gravure printing for mesoporous film preparation.. <i>RSC Advances</i> , <b>2019</b> , 9, 23570-23578	3.7	11
22	Fluid Flow Programming in Paper-Derived Silica-Polymer Hybrids. <i>Langmuir</i> , <b>2017</b> , 33, 332-339	4	10
21	Wetting-Controlled Localized Placement of Surface Functionalities within Nanopores. <i>Small</i> , <b>2020</b> , 16, e1906463	11	10
20	Controlling polymerization initiator concentration in mesoporous silica thin films. <i>Langmuir</i> , <b>2014</b> , 30, 369-79	4	10
19	Systematic study on FRET-pair functionalization of mesoporous thin films for correlation of pH-sensing and ionic mesopore accessibility. <i>Microporous and Mesoporous Materials</i> , <b>2019</b> , 282, 29-37	5.3	7
18	Insights into the interplay of wetting and transport in mesoporous silica films. <i>Journal of Colloid and Interface Science</i> , <b>2020</b> , 560, 369-378	9.3	7
17	Immobilization of Amylase in polyelectrolyte complexes. <i>Journal of Applied Polymer Science</i> , <b>2017</b> , 134, 45036	2.9	6
16	Insights into the Role of Counterions on Polyelectrolyte-Modified Nanopore Accessibility. <i>Langmuir</i> , <b>2018</b> , 34, 5943-5953	4	6
15	Functional Metalloblock Copolymers for the Preparation and In Situ Functionalization of Porous Silica Films. <i>Langmuir</i> , <b>2020</b> , 36, 4015-4024	4	5
14	Surface Enhanced DNP Assisted Solid-State NMR of Functionalized SiO <sub>2</sub> Coated Polycarbonate Membranes. <i>Zeitschrift Fur Physikalische Chemie</i> , <b>2018</b> , 232, 1173-1186	3.1	5
13	Effect of Asymmetry on Plasmon Hybridization and Sensing Capacities of Hole-Disk Arrays. <i>Journal of Physical Chemistry C</i> , <b>2020</b> , 124, 2609-2618	3.8	5
12	Fabrication and in situ functionalisation of mesoporous silica films by the physical entrapment of functional and responsive block copolymer structuring agents. <i>Soft Matter</i> , <b>2019</b> , 15, 8077-8083	3.6	5
11	Surface-Plasmon- and Green-Light-Induced Polymerization in Mesoporous Thin Silica Films. <i>Langmuir</i> , <b>2020</b> , 36, 1671-1679	4	4
10	Defined core-shell particles as the key to complex interfacial self-assembly.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5	4

9	Wettability-defined droplet imbibition in ceramic mesopores. <i>Nanoscale</i> , <b>2020</b> , 12, 24228-24236	7.7	3
8	Surface Plasmons and Visible Light Iniferter Initiated Polymerization for Nanolocal Functionalization of Mesoporous Separation Layers. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2009732	15.6	3
7	Layer-selective functionalisation in mesoporous double layer via iniferter initiated polymerisation for nanoscale step gradient formation. <i>European Polymer Journal</i> , <b>2021</b> , 110604	5.2	2
6	Simultaneous Nanolocal Polymer and Readout Unit Placement in Mesoporous Separation Layers. <i>Analytical Chemistry</i> , <b>2021</b> , 93, 5394-5402	7.8	1
5	Influence of Wettability on the Impedance of Ion Transport Through Mesoporous Silica Films. <i>Advanced Materials Interfaces</i> , <b>2021</b> , 8, 2002095	4.6	1
4	Mesoporous Coatings with Simultaneous Light-Triggered Transition of Water Imbibition and Droplet Coalescence. <i>Advanced Materials Interfaces</i> , <b>2021</b> , 8, 2100252	4.6	1
3	The Interplay of Nanoconfinement and pH from the Perspective of a Dye-Reporter Molecule. <i>ChemNanoMat</i> , <b>2020</b> , 6, 1843-1853	3.5	0
2	-Methyl-2-pyrrolidone as a Reaction Medium for Gold(III)-Ion Reduction and Star-like Gold Nanostructure Formation.. <i>ACS Omega</i> , <b>2022</b> , 7, 9484-9495	3.9	
1	Mechanistic Understanding and Three-Dimensional Tuning of Fluid Imbibition in Silica-Coated Cotton Linter Paper Sheets. <i>Advanced Materials Interfaces</i> , 2200064	4.6	