

# Joost Duvigneau

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Foaming of Polylactic Acid/Cellulose Nanocrystal Composites: Pickering Emulsion Templating for High-Homogeneity Filler Dispersions. ACS Applied Polymer Materials, 2022, 4, 111-120.	4.4	5
2	Designer Core-Shell Nanoparticles as Polymer Foam Cell Nucleating Agents: The Impact of Molecularly Engineered Interfaces. ACS Applied Materials & Interfaces, 2021, 13, 17034-17045.	8.0	12
3	Adhesion Engineering in Polymer-Metal Comolded Joints with Biomimetic Polydopamine. ACS Applied Materials & Interfaces, 2021, 13, 19244-19253.	8.0	20
4	Fluorescent Polyethylene by In Situ Facile Synthesis of Carbon Quantum Dots Facilitated by Silica Nanoparticle Agglomerates. ACS Applied Polymer Materials, 2021, 3, 5517-5526.	4.4	13
5	Highly Stable and Nonflammable Hydrated Salt-Paraffin Shape-Memory Gels for Sustainable Building Technology. ACS Sustainable Chemistry and Engineering, 2021, 9, 15442-15450.	6.7	16
6	Bubble Seeding Nanocavities: Multiple Polymer Foam Cell Nucleation by Polydimethylsiloxane-Grafted Designer Silica Nanoparticles. ACS Nano, 2020, 14, 1623-1634.	14.6	32
7	Printing "Smart" Inks of Redox-Responsive Organometallic Polymers on Microelectrode Arrays for Molecular Sensing. ACS Applied Materials & Interfaces, 2019, 11, 37060-37068.	8.0	10
8	Size-Dependent Submerging of Nanoparticles in Polymer Melts: Effect of Line Tension. Macromolecules, 2018, 51, 2411-2417.	4.8	19
9	Silica-Assisted Nucleation of Polymer Foam Cells with Nanoscopic Dimensions: Impact of Particle Size, Line Tension, and Surface Functionality. ACS Applied Materials & Interfaces, 2017, 9, 37929-37940.	8.0	41
10	Nanocellular polymer foams nucleated by core-shell nanoparticles. Polymer, 2016, 104, 22-30.	3.8	23
11	Optical imaging beyond the diffraction limit by SNEM: Effects of AFM tip modifications with thiol monolayers on imaging quality. Ultramicroscopy, 2015, 150, 79-87.	1.9	4
12	Nanocellular polymer foams as promising high performance thermal insulation materials. European Polymer Journal, 2015, 65, 33-45.	5.4	120
13	Nanoscale scanning near-field ellipsometric microscopy (SNEM) imaging of heterogeneous polymers. Materials Research Society Symposia Proceedings, 2014, 1652, 1.	0.1	0
14	Scanning Thermal Lithography of Tailored <i>tert</i> -Butyl Ester Protected Carboxylic Acid Functionalized (Meth)acrylate Polymer Platforms. ACS Applied Materials & Interfaces, 2011, 3, 3855-3865.	8.0	8
15	Scanning Thermal Lithography as a Tool for Highly Localized Nanoscale Chemical Surface Functionalization. Materials Research Society Symposia Proceedings, 2011, 1318, 1.	0.1	1
16	Nanoscale Thermal AFM of Polymers: Transient Heat Flow Effects. ACS Nano, 2010, 4, 6932-6940.	14.6	49
17	Atomic Force Microscopy Based Thermal Lithography of Poly( <i>tert</i> -butyl acrylate) Block Copolymer Films for Bioconjugation. Langmuir, 2008, 24, 10825-10832.	3.5	27