

# Suzanne Giasson

## List of Publications by Year in descending order

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Version: 2024-02-01

28  
papers

1,560  
citations

623699

14  
h-index

552766

26  
g-index

28  
all docs

28  
docs citations

28  
times ranked

1963  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Lubrication by charged polymers. <i>Nature</i> , 2003, 425, 163-165.   | 27.8 | 791       |
| 2  | Effect of mechanical properties of hydrogel nanoparticles on macrophage cell uptake. <i>Soft Matter</i> , 2009, 5, 3984.   | 2.7  | 211       |
| 3  | Thin Film Morphology and Tribology Study of Mayonnaise. <i>Journal of Food Science</i> , 1997, 62, 640-652.  | 3.1  | 85        |
| 4  | Friction and Normal Interaction Forces between Irreversibly Attached Weakly Charged Polymer Brushes. <i>Langmuir</i> , 2008, 24, 1550-1559.  | 3.5  | 82        |
| 5  | Polymer Brush Covalently Attached to OH-Functionalized Mica Surface via Surface-Initiated ATRP: Control of Grafting Density and Polymer Chain Length. <i>Langmuir</i> , 2009, 25, 5313-5321. | 3.5  | 60        |
| 6  | Stability of Silanols and Grafted Alkylsilane Monolayers on Plasma-Activated Mica Surfaces. <i>Langmuir</i> , 2008, 24, 3280-3288.   | 3.5  | 47        |
| 7  | Unprecedented Covalently Attached ATRP Initiator onto OH-Functionalized Mica Surfaces. <i>Langmuir</i> , 2008, 24, 379-382.  | 3.5  | 32        |
| 8  | Chemical End-Grafting of Homogeneous Polystyrene Monolayers on Mica and Silica Surfaces. <i>Langmuir</i> , 2007, 23, 9263-9270.  | 3.5  | 28        |
| 9  | Monitoring in Real-Time the Degrafting of Covalently Attached Fluorescent Polymer Brushes Grafted to Silica Substrates—Effects of pH and Salt. <i>Macromolecules</i> , 2011, 44, 8177-8184.  | 4.8  | 27        |
| 10 | Adsorption and Interaction Forces of Micellar and Microemulsion Solutions in Ultrathin Films. <i>Langmuir</i> , 1998, 14, 891-898.   | 3.5  | 26        |
| 11 | Polystyrene-block-poly(acrylic acid) brushes grafted from silica surfaces: pH- and salt-dependent switching studies. <i>Polymer Chemistry</i> , 2014, 5, 2242.                               | 3.9  | 24        |
| 12 | Amino-functionalized monolayers covalently grafted to silica-based substrates as a robust primer anchorage in aqueous media. <i>Applied Surface Science</i> , 2016, 370, 476-485.            | 6.1  | 18        |
| 13 | Mechanical and Frictional Properties of Nanoparticle Monolayers Grafted on Functionalized Mica Substrates. <i>Journal of Physical Chemistry B</i> , 2008, 112, 12208-12216.                  | 2.6  | 16        |
| 14 | Boundary Lubricant Polymer Films: Effect of Cross-Linking. <i>Langmuir</i> , 2013, 29, 12936-12949.  | 3.5  | 15        |
| 15 | Organophosphonic acids as viable linkers for the covalent attachment of polyelectrolyte brushes on silica and mica surfaces. <i>Polymer Chemistry</i> , 2014, 5, 5740-5750.                  | 3.9  | 15        |
| 16 | Polyacrylamides revisited: flocculation of kaolin suspensions and mature fine tailings. <i>Canadian Journal of Chemical Engineering</i> , 2018, 96, 20-26.                                   | 1.7  | 15        |
| 17 | Normal and Lateral Interactions between Thermosensitive Nanoparticle Monolayers in Water. <i>Journal of Physical Chemistry B</i> , 2010, 114, 9721-9728.                                     | 2.6  | 14        |
| 18 | Lubrication with Soft and Hard Two-Dimensional Colloidal Arrays. <i>Langmuir</i> , 2017, 33, 3610-3623.  | 3.5  | 13        |

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 19 | Compliant Surfaces under Shear: Elastohydrodynamic Lift Force. Langmuir, 2019, 35, 15605-15613.  | 3.5  | 11        |
| 20 | Interaction between Compliant Surfaces: How Soft Surfaces Can Reduce Friction. Langmuir, 2019, 35, 15723-15728.  | 3.5  | 9         |
| 21 | Aqueous Lubrication with Polymer Brushes. , 2014, , 183-218.   |      | 5         |
| 22 | Single stranded siRNA complexation through non-electrostatic interactions. Biomaterials, 2017, 113, 230-242.   | 11.4 | 4         |
| 23 | Direct Polymerization of Polyacrylic Acid on Mica Substrates using ATRP â€” A Preliminary Study. Macromolecular Symposia, 2010, 297, 1-5.  | 0.7  | 3         |
| 24 | Tribological Behavior of Surface-Immobilized Novel Biomimicking Multihierarchical Polymers: The Role of Structure and Surface Attachment. Langmuir, 2019, 35, 15592-15604.                         | 3.5  | 3         |
| 25 | Multiresponsive Microgels: Toward an Independent Tuning of Swelling and Surface Properties. Langmuir, 2021, 37, 11212-11221.   | 3.5  | 3         |
| 26 | Enhanced swelling using photothermal responsive <scp>surfaceâ€”immobilized</scp> microgels. Journal of Applied Polymer Science, 2021, 138, 50973.  | 2.6  | 2         |
| 27 | Neutral and Charged Brushes Covalently Grafted from OHâ€”Functionalized Mica Surfaces using Surfaceâ€”Initiated ATRP â€” Swelling Investigation by AFM. Macromolecular Symposia, 2010, 297, 65-68. | 0.7  | 1         |
| 28 | Selectively triggered cell detachment from poly(N-isopropylacrylamide) microgel functionalized substrates. Colloids and Surfaces B: Biointerfaces, 2022, , 112699.                                 | 5.0  | 0         |