

# C Geraldine Bazuin

## List of Publications by Year in descending order

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37  
papers

1,206  
citations

361045

20  
h-index

360668

35  
g-index

37  
all docs

37  
docs citations

37  
times ranked

1387  
citing authors

#	ARTICLE	IF	CITATIONS
1	Polymer-Templated Gold Nanoparticles on Optical Fibers for Enhanced-Sensitivity Localized Surface Plasmon Resonance Biosensors. <i>ACS Sensors</i> , 2019, 4, 613-622.	4.0	95
2	Supramolecular design principles for efficient photoresponsive polymer-azobenzene complexes. <i>Journal of Materials Chemistry C</i> , 2018, 6, 2168-2188.	2.7	94
3	Generation of Liquid Crystalline Polymeric Materials from Non Liquid Crystalline Components via Ionic Complexation. <i>Macromolecules</i> , 1995, 28, 8877-8880.	2.2	88
4	Submolecular Plasticization Induced by Photons in Azobenzene Materials. <i>Journal of the American Chemical Society</i> , 2015, 137, 13510-13517.	6.6	76
5	A Study of the Supramolecular Approach in Controlling Diblock Copolymer Nanopatterning and Nanoporosity on Surfaces. <i>Macromolecules</i> , 2006, 39, 6473-6482.	2.2	72
6	Spacer-Free Ionic Dye-Polyelectrolyte Complexes: Influence of Molecular Structure on Liquid Crystal Order and Photoinduced Motion. <i>Chemistry of Materials</i> , 2009, 21, 3216-3227.	3.2	62
7	Simple Spacer-Free Dye-Polyelectrolyte Ionic Complex: Side-Chain Liquid Crystal Order with High and Stable Photoinduced Birefringence. <i>Chemistry of Materials</i> , 2008, 20, 29-31.	3.2	58
8	Branched Au Nanoparticles on Nanofibers for Surface-Enhanced Raman Scattering Sensing of Intracellular pH and Extracellular pH Gradients. <i>ACS Sensors</i> , 2020, 5, 2155-2167.	4.0	54
9	Multiplexed SERS Detection of Microcystins with Aptamer-Driven Core-Satellite Assemblies. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 6545-6556.	4.0	48
10	Morphology Evolution in Slowly Dip-Coated Supramolecular PS- <i>b</i> -P4VP Thin Films. <i>Macromolecules</i> , 2012, 45, 5463-5476.	2.2	46
11	From partial to complete optical erasure of azobenzene-polymer gratings: effect of molecular weight. <i>Journal of Materials Chemistry C</i> , 2015, 3, 11011-11016.	2.7	46
12	Solvent Influence on Thickness, Composition, and Morphology Variation with Dip-Coating Rate in Supramolecular PS- <i>b</i> -P4VP Thin Films. <i>Macromolecules</i> , 2015, 48, 4823-4834.	2.2	42
13	Morphology, Thickness, and Composition Evolution in Supramolecular Block Copolymer Films over a Wide Range of Dip-Coating Rates. <i>ACS Macro Letters</i> , 2012, 1, 973-976.	2.3	41
14	Nonphospholipid Fluid Liposomes with Switchable Photocontrolled Release. <i>Langmuir</i> , 2014, 30, 10818-10825.	1.6	40
15	Block Copolymer Brush Layer-Templated Gold Nanoparticles on Nanofibers for Surface-Enhanced Raman Scattering Optophysiology. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 4373-4384.	4.0	39
16	Surface-Enhanced Raman Scattering Optophysiology Nanofibers for the Detection of Heavy Metals in Single Breast Cancer Cells. <i>ACS Sensors</i> , 2021, 6, 1649-1662.	4.0	30
17	Evolution of Small Molecule Content and Morphology with Dip-Coating Rate in Supramolecular PS- <i>b</i> -P4VP Thin Films. <i>Macromolecules</i> , 2012, 45, 7964-7972.	2.2	28
18	Photomechanical Energy Transfer to Photopassive Polymers through Hydrogen and Halogen Bonds. <i>Macromolecules</i> , 2015, 48, 7535-7542.	2.2	27

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19	Influence of Supramolecular Interaction Type on Photoresponsive Azopolymer Complexes: A Surface Relief Grating Formation Study. <i>Macromolecules</i> , 2016, 49, 4923-4934.	2.2	27
20	Liquid Crystallinity and Other Properties in Complexes of Cationic Azo-Containing Surfactomesogens with Poly(styrenesulfonate). <i>Macromolecules</i> , 2009, 42, 4775-4786.	2.2	24
21	Interplay of Ionic, Hydrogen-Bonding, and Polar Interactions in Liquid Crystalline Complexes of a Pyridylpyridinium Polyamphiphile with (Azo)phenol-Functionalized Molecules. <i>Macromolecules</i> , 2007, 40, 5326-5336.	2.2	20
22	<i>In Situ</i> Growth of AuNPs on Glass Nanofibers for SERS Sensors. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 55349-55361.	4.0	19
23	Monolayer Arrays of Nanoparticles on Block Copolymer Brush Films. <i>Langmuir</i> , 2019, 35, 5114-5124.	1.6	18
24	Double-Striped Metallic Patterns from PS- <i>b</i> -P4VP Nanostrand Templates. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 18360-18367.	4.0	16
25	Molecular-Level Study of Photoorientation in Hydrogen-Bonded Azopolymer Complexes. <i>Macromolecules</i> , 2018, 51, 1077-1087.	2.2	16
26	<i>In Situ</i> Photocontrol of Block Copolymer Morphology During Dip-Coating of Thin Films. <i>ACS Macro Letters</i> , 2015, 4, 1158-1162.	2.3	15
27	Templating Gold Nanoparticles on Nanofibers Coated with a Block Copolymer Brush for Nanosensor Applications. <i>ACS Applied Nano Materials</i> , 2020, 3, 516-529.	2.4	14
28	Variable Composition Mixtures of a Tertiary Amine-Functionalized Mesogen and Poly(acrylic acid). <i>Macromolecules</i> , 2002, 35, 6893-6899.	2.2	13
29	A Supramolecular Approach to Photoresponsive Thermo/Solvoplastic Block Copolymer Elastomers. <i>Macromolecules</i> , 2014, 47, 7099-7108.	2.2	13
30	Quantitative analysis of hydrogen bonding in electrospun fibers of poly(4-vinyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 307 Td (pyridine)/ 2014, 71, 18-23.	1.2	10
31	Taming Macromolecules with Light: Lessons Learned from Vibrational Spectroscopy. <i>Macromolecular Rapid Communications</i> , 2018, 39, 1700430.	2.0	6
32	Photocontrol of Supramolecular Azo-Containing Block Copolymer Thin Films during Dip-Coating: Toward Nanoscale Patterned Coatings. <i>ACS Applied Nano Materials</i> , 2019, 2, 3526-3537.	2.4	4
33	Effect of hydrogen-bond strength on photoresponsive properties of polymer-azobenzene complexes. <i>Canadian Journal of Chemistry</i> , 2020, 98, 531-538.	0.6	3
34	Tailoring supramolecular ionic azo triblock copolymers by partial quaternization and complexation. <i>Polymer</i> , 2017, 128, 330-337.	1.8	1
35	Molecular-Level Photo-Orientation Insights into Macroscopic Photo-Induced Motion in Azobenzene-Containing Polymer Complexes. <i>Journal of Physical Chemistry B</i> , 2021, 125, 7871-7885.	1.2	1
36	Fabricating SERS-Active Nanofibers Covered with Au Nanoparticles for SERS Optophysiology. <i>ECS Meeting Abstracts</i> , 2021, MA2021-01, 1633-1633.	0.0	0

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37	(Digital Presentation) Fabricating SERS-Active Nanofibers Covered with Au Nanoparticles for SERS Optophysiology. ECS Meeting Abstracts, 2022, MA2022-01, 2213-2213.	0.0	0