

# Joonil Seog

## List of Publications by Year in descending order

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Version: 2024-02-01

19  
papers

446  
citations

759233

12  
h-index

794594

19  
g-index

21  
all docs

21  
docs citations

21  
times ranked

655  
citing authors

#	ARTICLE	IF	CITATIONS
1	Surface Induced Nanofiber Growth by Self-Assembly of a Silk-Elastin-like Protein Polymer. <i>Langmuir</i> , 2009, 25, 12682-12686.	3.5	69
2	Molecular-Level Theoretical Model for Electrostatic Interactions within Polyelectrolyte Brushes: Applications to Charged Glycosaminoglycans. <i>Langmuir</i> , 2003, 19, 5526-5539.	3.5	60
3	Enhanced silencing and stabilization of siRNA polyplexes by histidine-mediated hydrogen bonds. <i>Biomaterials</i> , 2014, 35, 846-855.	11.4	58
4	Nanomechanics of opposing glycosaminoglycan macromolecules. <i>Journal of Biomechanics</i> , 2005, 38, 1789-1797.	2.1	40
5	Nanomechanical Stimulus Accelerates and Directs the Self-Assembly of Silk-Elastin-like Nanofibers. <i>Journal of the American Chemical Society</i> , 2011, 133, 1745-1747.	13.7	35
6	Plasma Deactivation of Endotoxic Biomolecules: Vacuum Ultraviolet Photon and Radical Beam Effects on Lipid A. <i>Plasma Processes and Polymers</i> , 2013, 10, 167-180.	3.0	25
7	Polystyrene as a model system to probe the impact of ambient gas chemistry on polymer surface modifications using remote atmospheric pressure plasma under well-controlled conditions. <i>Biointerphases</i> , 2015, 10, 029512.	1.6	25
8	Direct Observation of Amyloid Nucleation under Nanomechanical Stretching. <i>ACS Nano</i> , 2013, 7, 7734-7743.	14.6	19
9	Biodeactivation of Lipopolysaccharide Correlates with Surface-Bound NO <sub>3</sub> After Cold Atmospheric Plasma Treatment. <i>Plasma Processes and Polymers</i> , 2016, 13, 410-418.	3.0	19
10	Directed patterning of the self-assembled silk-elastin-like nanofibers using a nanomechanical stimulus. <i>Chemical Communications</i> , 2012, 48, 10654.	4.1	17
11	Utilization of simple scaling laws for modulating tip-sample peak forces in atomic force microscopy characterization in liquid environments. <i>Journal of Applied Physics</i> , 2011, 110, 094904.	2.5	16
12	Folding behavior of a T-shaped, ribosome-binding translation enhancer implicated in a wide-spread conformational switch. <i>ELife</i> , 2017, 6, .	6.0	15
13	A comparative study of biomolecule and polymer surface modifications by a surface microdischarge. <i>European Physical Journal D</i> , 2016, 70, 1.	1.3	12
14	Preparation of End-Grafted Polyelectrolyte Brushes on Nanoscale Probe Tips Using an Electric Field. <i>Macromolecules</i> , 2004, 37, 1156-1158.	4.8	9
15	Direct Observation of Dynamic Mechanical Regulation of DNA Condensation by Environmental Stimuli. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 10631-10635.	13.8	9
16	Direct force measurement of single DNA-peptide interactions using atomic force microscopy. <i>Journal of Molecular Recognition</i> , 2013, 26, 268-275.	2.1	7
17	Transitions of morphological patterns of crystallizing polycarbonate in thin films. <i>Journal of Applied Polymer Science</i> , 2012, 124, 560-567.	2.6	6
18	Plasma flux-dependent lipid A deactivation. <i>Journal Physics D: Applied Physics</i> , 2014, 47, 224015.	2.8	4

#	ARTICLE	IF	CITATIONS
19	Single-Molecule Methods to Study Cell Adhesion Molecules. <i>Methods in Molecular Biology</i> , 2011, 757, 139-155.	0.9	0