

Woo-Kyung Lee

List of Publications by Year in descending order

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31
papers

1,767
citations

331670

21
h-index

477307

29
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31
all docs

31
docs citations

31
times ranked

2525
citing authors

#	ARTICLE	IF	CITATIONS
1	Fabrication of Stimulus-Responsive Nanopatterned Polymer Brushes by Scanning-Probe Lithography. <i>Nano Letters</i> , 2004, 4, 373-376.	9.1	184
2	Nanofabrication with biomolecules. <i>Materials Today</i> , 2005, 8, 30-39.	14.2	180
3	Capture and Release of Proteins on the Nanoscale by Stimuli-Responsive Elastin-Like Polypeptide "Switches". <i>Journal of the American Chemical Society</i> , 2004, 126, 7330-7335.	13.7	160
4	Stimulus-Responsive Poly(N-isopropylacrylamide) Brushes and Nanopatterns Prepared by Surface-Initiated Polymerization. <i>Chemistry of Materials</i> , 2004, 16, 3688-3696.	6.7	155
5	Molecular Recognition-Mediated Fabrication of Protein Nanostructures by Dip-Pen Lithography. <i>Nano Letters</i> , 2002, 2, 1203-1207.	9.1	154
6	Chemical Stability of Graphene Fluoride Produced by Exposure to XeF ₂ . <i>Nano Letters</i> , 2013, 13, 4311-4316.	9.1	109
7	Enzymatic Fabrication of DNA Nanostructures: Extension of a Self-assembled Oligonucleotide Monolayer on Gold Arrays. <i>Journal of the American Chemical Society</i> , 2005, 127, 14122-14123.	13.7	79
8	Chemically Isolated Graphene Nanoribbons Reversibly Formed in Fluorographene Using Polymer Nanowire Masks. <i>Nano Letters</i> , 2011, 11, 5461-5464.	9.1	79
9	Wear-Resistant Diamond Nanoprobe Tips with Integrated Silicon Heater for Tip-Based Nanomanufacturing. <i>ACS Nano</i> , 2010, 4, 3338-3344.	14.6	68
10	High-Density Amine-Terminated Monolayers Formed on Fluorinated CVD-Grown Graphene. <i>Langmuir</i> , 2012, 28, 7957-7961.	3.5	67
11	Scaling Behavior of Nanopatterned Polymer Brushes. <i>Small</i> , 2007, 3, 63-66.	10.0	60
12	Patterning Magnetic Regions in Hydrogenated Graphene Via E-Beam Irradiation. <i>Advanced Materials</i> , 2015, 27, 1774-1778.	21.0	58
13	Maskless Nanoscale Writing of Nanoparticle-Polymer Composites and Nanoparticle Assemblies using Thermal Nanoprobes. <i>Nano Letters</i> , 2010, 10, 129-133.	9.1	56
14	Weak Polyelectrolyte Brush Arrays Fabricated by Combining Electron-Beam Lithography with Surface-Initiated Photopolymerization. <i>Chemistry of Materials</i> , 2006, 18, 3660-3664.	6.7	51
15	Nanopatterned Polymer Brushes by Combining AFM Anodization Lithography with Ring-Opening Metathesis Polymerization in the Liquid and Vapor Phase. <i>Small</i> , 2006, 2, 848-853.	10.0	47
16	The importance of correcting for variable probe-sample interactions in AFM-IR spectroscopy: AFM-IR of dried bacteria on a polyurethane film. <i>Analyst</i> , 2016, 141, 4848-4854.	3.5	40
17	Nanoscale Reduction of Graphene Fluoride via Thermochemical Nanolithography. <i>ACS Nano</i> , 2013, 7, 6219-6224.	14.6	39
18	Scanning Probe Lithography of Polymers: Tailoring Morphology and Functionality at the Nanometer Scale. <i>Scanning</i> , 2008, 30, 172-183.	1.5	32

#	ARTICLE	IF	CITATIONS
19	The nanopatterning of a stimulus-responsive polymer by thermal dip-pen nanolithography. <i>Soft Matter</i> , 2008, 4, 1844.	2.7	30
20	Robust reduction of graphene fluoride using an electrostatically biased scanning probe. <i>Nano Research</i> , 2013, 6, 767-774.	10.4	23
21	Nanopatterning of GeTe phase change films via heated-probe lithography. <i>Nanoscale</i> , 2017, 9, 8815-8824.	5.6	23
22	Fabrication of Gold Nanowires by Electric-Field-Induced Scanning Probe Lithography and In Situ Chemical Development. <i>Small</i> , 2007, 3, 249-254.	10.0	20
23	Transfer of Chemically Modified Graphene with Retention of Functionality for Surface Engineering. <i>Nano Letters</i> , 2016, 16, 1455-1461.	9.1	19
24	Activation of radical addition to graphene by chemical hydrogenation. <i>RSC Advances</i> , 2016, 6, 93356-93362.	3.6	9
25	Direct-write polymer nanolithography in ultra-high vacuum. <i>Beilstein Journal of Nanotechnology</i> , 2012, 3, 52-56.	2.8	7
26	Enhanced protonic conductivity and IFET behavior in individual proton-doped electrospun chitosan fibers. <i>Journal of Materials Chemistry C</i> , 2019, 7, 10833-10840.	5.5	6
27	Transferring Electronic Devices with Hydrogenated Graphene. <i>Advanced Materials Interfaces</i> , 2019, 6, 1801974.	3.7	6
28	Fluorinated Graphene Enables the Growth of Inorganic Thin Films by Chemical Bath Deposition on Otherwise Inert Substrates. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 677-683.	8.0	3
29	Graphene-enabled block copolymer lithography transfer to arbitrary substrates. <i>Nano Express</i> , 2021, 2, 014009.	2.4	2
30	Hydrogen-assisted graphene transfer: surface engineering for chemical, electronic, and biological applications. , 2018, , .		1
31	Hydrogenated Graphene: Transferring Electronic Devices with Hydrogenated Graphene (<i>Adv. Mater.</i>) Tj ETQq1 1 0.784314 rgBT /Over	3.7	