

# Wendong Liu

## List of Publications by Year in descending order

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42  
papers

976  
citations

471509

17  
h-index

454955

30  
g-index

43  
all docs

43  
docs citations

43  
times ranked

1529  
citing authors

#	ARTICLE	IF	CITATIONS
1	Controlling supraparticle shape and structure by tuning colloidal interactions. <i>Journal of Colloid and Interface Science</i> , 2022, 607, 1661-1670.	9.4	15
2	Fabrication of Stretchable Superamphiphobic Surfaces with Deformation-Induced Rearrangeable Structures. <i>Advanced Materials</i> , 2022, 34, e2107901.	21.0	27
3	Microcapsules-supported Pd catalysts with ultralow ionic residues. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 639, 128343.	4.7	0
4	Self-Healing Superhydrophobic Surfaces: Healing Principles and Applications. <i>Advanced Materials Interfaces</i> , 2021, 8, 2100247.	3.7	45
5	Irregular, nanostructured superhydrophobic surfaces: Local wetting and slippage monitored by fluorescence correlation spectroscopy. <i>Physical Review Fluids</i> , 2021, 6, .	2.5	10
6	Ru-Se Coordination: A New Dynamic Bond for Visible-Light-Responsive Materials. <i>Journal of the American Chemical Society</i> , 2021, 143, 12736-12744.	13.7	36
7	Self-Recovery Superhydrophobic Surfaces. , 2021, , 39-61.		0
8	Underwater Superoleophobic Surface Based on Silica Hierarchical Cylinder Arrays with a Low Aspect Ratio. <i>ACS Nano</i> , 2020, 14, 9166-9175.	14.6	30
9	Facile Synthesis of ZnO-Au Nanopetals and Their Application for Biomolecule Determinations. <i>Chemical Research in Chinese Universities</i> , 2019, 35, 924-928.	2.6	5
10	Responsive Ionogel Surface with Renewable Antibiofouling Properties. <i>Macromolecular Rapid Communications</i> , 2019, 40, e1900395.	3.9	13
11	Deep-elliptical-silver-nanowell arrays (d-EAgNWAs) fabricated by stretchable imprinting combining colloidal lithography: A highly sensitive plasmonic sensing platform. <i>Nano Research</i> , 2019, 12, 845-853.	10.4	5
12	Highly ordered 3D-silver nanoring arrays (3D-AgNRAs) for refractometric sensing. <i>Journal of Materials Chemistry C</i> , 2019, 7, 7681-7691.	5.5	10
13	Segregation in Drying Binary Colloidal Droplets. <i>ACS Nano</i> , 2019, 13, 4972-4979.	14.6	81
14	Tuning the Porosity of Supraparticles. <i>ACS Nano</i> , 2019, 13, 13949-13956.	14.6	55
15	Graded Protein/PEG Nanopattern Arrays: Well-Defined Gradient Biomaterials to Induce Basic Cellular Behaviors. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 1595-1603.	8.0	12
16	Smart Anisotropic Wetting Surfaces with Reversed pH-Responsive Wetting Directions. <i>Advanced Functional Materials</i> , 2018, 28, 1802001.	14.9	37
17	Large-scale Au nanoparticle cluster arrays with tunable particle numbers evolved from colloidal lithography. <i>Nanotechnology</i> , 2018, 29, 405301.	2.6	3
18	Thermal-Responsive Anisotropic Wetting Microstructures for Manipulation of Fluids in Microfluidics. <i>Langmuir</i> , 2017, 33, 494-502.	3.5	17

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19	Unidirectional Wetting of Liquids on "Janus" Nanostructure Arrays under Various Media. <i>Langmuir</i> , 2017, 33, 2177-2184.	3.5	8
20	Anisotropic Wetting of Water on Patterned Asymmetric Nanostructure Arrays. <i>Advanced Materials Interfaces</i> , 2017, 4, 1700034.	3.7	16
21	Au nanorods-sensitized 1DPC for visible detection of NIR light. <i>Journal of Materials Chemistry C</i> , 2017, 5, 2942-2950.	5.5	3
22	Highly sensitive deep-silver-nanowell arrays (d-AgNWAs) for refractometric sensing. <i>Nano Research</i> , 2017, 10, 908-921.	10.4	8
23	Chelation Competition Induced Polymerization (CCIP): A Binding Energy Based Strategy for Nonspherical Polymer Nanocontainers™ Fabrication. <i>Chemistry of Materials</i> , 2017, 29, 6536-6543.	6.7	25
24	Autonomous Control of Fluids in a Wide Surface Tension Range in Microfluidics. <i>Langmuir</i> , 2017, 33, 7248-7255.	3.5	6
25	Patterned surfaces for biological applications: A new platform using two dimensional structures as biomaterials. <i>Chinese Chemical Letters</i> , 2017, 28, 675-690.	9.0	28
26	Silicon/polymer composite nanopost arrays. <i>Series in Materials Science and Engineering</i> , 2017, , 155-168.	0.1	0
27	Morphology-Patterned Anisotropic Wetting Surface for Fluid Control and Gas-Liquid Separation in Microfluidics. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 13094-13103.	8.0	37
28	Functional interface based on silicon artificial chamfer nanocylinder arrays (CNCAs) with underwater superoleophobicity and anisotropic properties. <i>Nano Research</i> , 2016, 9, 3141-3151.	10.4	13
29	Multifunctional Reversible Fluorescent Controller Based on a One-Dimensional Photonic Crystal. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 28844-28852.	8.0	14
30	Chelation competition induced polymerization (CCIP): construction of integrated hollow polydopamine nanocontainers with tailorable functionalities. <i>Chemical Communications</i> , 2016, 52, 10155-10158.	4.1	36
31	Photonic Crystals Fabricated via Facile Methods and Their Applications. <i>Springer Series in Materials Science</i> , 2016, , 101-158.	0.6	4
32	From 1D to 3D: a new route to fabricate tridimensional structures via photo-generation of silver networks. <i>RSC Advances</i> , 2015, 5, 28633-28642.	3.6	7
33	Biomimetic Submicroarrayed Cross-Linked Liquid Crystal Polymer Films with Different Wettability via Colloidal Lithography. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 25522-25528.	8.0	34
34	Hierarchical-Multiplex DNA Patterns Mediated by Polymer Brush Nanocone Arrays That Possess Potential Application for Specific DNA Sensing. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 24760-24771.	8.0	12
35	Ag nanoparticle/polymer composite barcode nanorods. <i>Nano Research</i> , 2015, 8, 2871-2880.	10.4	16
36	Bioinspired polyethylene terephthalate nanocone arrays with underwater superoleophobicity and anti-bioadhesion properties. <i>Nanoscale</i> , 2014, 6, 13845-13853.	5.6	70

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37	Tunable Polymer Brush/Au NPs Hybrid Plasmonic Arrays Based on Host-guest Interaction. ACS Applied Materials & Interfaces, 2014, 6, 19951-19957.	8.0	16
38	Enhanced Biocompatibility of PLGA Nanofibers with Gelatin/Nano-Hydroxyapatite Bone Biomimetics Incorporation. ACS Applied Materials & Interfaces, 2014, 6, 9402-9410.	8.0	116
39	Fabrication and applications of the protein patterns. Science China Chemistry, 2013, 56, 1087-1100.	8.2	13
40	Hierarchical Polymer Brush Nanoarrays: A Versatile Way to Prepare Multiscale Patterns of Proteins. ACS Applied Materials & Interfaces, 2013, 5, 2126-2132.	8.0	30
41	Elliptical Polymer Brush Ring Array Mediated Protein Patterning and Cell Adhesion on Patterned Protein Surfaces. ACS Applied Materials & Interfaces, 2013, 5, 12587-12593.	8.0	30
42	Polymer brush nanopatterns with controllable features for protein pattern applications. Journal of Materials Chemistry, 2012, 22, 25116.	6.7	30