Wendong Liu

List of Publications by Year in descending order

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	Enhanced Biocompatibility of PLGA Nanofibers with Gelatin/Nano-Hydroxyapatite Bone Biomimetics Incorporation. ACS Applied Materials & Interfaces, 2014, 6, 9402-9410.	8.0	116
2	Segregation in Drying Binary Colloidal Droplets. ACS Nano, 2019, 13, 4972-4979.	14.6	81
3	Bioinspired polyethylene terephthalate nanocone arrays with underwater superoleophobicity and anti-bioadhesion properties. Nanoscale, 2014, 6, 13845-13853.	5.6	70
4	Tuning the Porosity of Supraparticles. ACS Nano, 2019, 13, 13949-13956.	14.6	55
5	Selfâ€Healing Superhydrophobic Surfaces: Healing Principles and Applications. Advanced Materials Interfaces, 2021, 8, 2100247.	3.7	45
6	Morphology-Patterned Anisotropic Wetting Surface for Fluid Control and Gasâ€“Liquid Separation in Microfluidics. ACS Applied Materials & Interfaces, 2016, 8, 13094-13103.	8.0	37
7	Smart Anisotropic Wetting Surfaces with Reversed pHâ€Responsive Wetting Directions. Advanced Functional Materials, 2018, 28, 1802001.	14.9	37
8	Chelation competition induced polymerization (CCIP): construction of integrated hollow polydopamine nanocontainers with tailorable functionalities. Chemical Communications, 2016, 52, 10155-10158.	4.1	36
9	Ruâ€“Se Coordination: A New Dynamic Bond for Visible-Light-Responsive Materials. Journal of the American Chemical Society, 2021, 143, 12736-12744.	13.7	36
10	Biomimetic Submicroarrayed Cross-Linked Liquid Crystal Polymer Films with Different Wettability via Colloidal Lithography. ACS Applied Materials & Interfaces, 2015, 7, 25522-25528.	8.0	34
11	Polymer brush nanopatterns with controllable features for protein pattern applications. Journal of Materials Chemistry, 2012, 22, 25116.	6.7	30
12	Hierarchical Polymer Brush Nanoarrays: A Versatile Way to Prepare Multiscale Patterns of Proteins. ACS Applied Materials & Interfaces, 2013, 5, 2126-2132.	8.0	30
13	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
14	Underwater Superoleophobic Surface Based on Silica Hierarchical Cylinder Arrays with a Low Aspect Ratio. ACS Nano, 2020, 14, 9166-9175.	14.6	30
15	Patterned surfaces for biological applications: A new platform using two dimensional structures as biomaterials. Chinese Chemical Letters, 2017, 28, 675-690.	9.0	28
16	Fabrication of Stretchable Superamphiphobic Surfaces with Deformationâ€Induced Rearrangeable Structures. Advanced Materials, 2022, 34, e2107901.	21.0	27
17	Chelation Competition Induced Polymerization (CCIP): A Binding Energy Based Strategy for Nonspherical Polymer Nanocontainersâ€™ Fabrication. Chemistry of Materials, 2017, 29, 6536-6543.	6.7	25
18	Thermal-Responsive Anisotropic Wetting Microstructures for Manipulation of Fluids in Microfluidics. Langmuir, 2017, 33, 494-502.	3.5	17

#	Article	IF	Citations
19	Tunable Polymer Brush/Au NPs Hybrid Plasmonic Arrays Based on Hostâ€“guest Interaction. ACS Applied Materials & Interfaces, 2014, 6, 19951-19957.	8.0	16
20	Ag nanoparticle/polymer composite barcode nanorods. Nano Research, 2015, 8, 2871-2880.	10.4	16
21	Anisotropic Wetting of Water on Patterned Asymmetric Nanostructure Arrays. Advanced Materials Interfaces, 2017, 4, 1700034.	3.7	16
22	Controlling supraparticle shape and structure by tuning colloidal interactions. Journal of Colloid and Interface Science, 2022, 607, 1661-1670.	9.4	15
23	Multifunctional Reversible Fluorescent Controller Based on a One-Dimensional Photonic Crystal. ACS Applied Materials & Interfaces, 2016, 8, 28844-28852.	8.0	14
24	Fabrication and applications of the protein patterns. Science China Chemistry, 2013, 56, 1087-1100.	8.2	13
25	Functional interface based on silicon artificial chamfer nanocylinder arrays (CNCAs) with underwater superoleophobicity and anisotropic properties. Nano Research, 2016, 9, 3141-3151.	10.4	13
26	Responsive Ionogel Surface with Renewable Antibiofouling Properties. Macromolecular Rapid Communications, 2019, 40, e1900395.	3.9	13
27	Hierarchical-Multiplex DNA Patterns Mediated by Polymer Brush Nanocone Arrays That Possess Potential Application for Specific DNA Sensing. ACS Applied Materials & Interfaces, 2015, 7, 24760-24771.	8.0	12
28	Graded Protein/PEG Nanopattern Arrays: Well-Defined Gradient Biomaterials to Induce Basic Cellular Behaviors. ACS Applied Materials & Interfaces, 2019, 11, 1595-1603.	8.0	12
29	Highly ordered 3D-silver nanoring arrays (3D-AgNRAs) for refractometric sensing. Journal of Materials Chemistry C, 2019, 7, 7681-7691.	5.5	10
30	Irregular, nanostructured superhydrophobic surfaces: Local wetting and slippage monitored by fluorescence correlation spectroscopy. Physical Review Fluids, 2021, 6, .	2.5	10
31	Unidirectional Wetting of Liquids on â€œJanusâ€•Nanostructure Arrays under Various Media. Langmuir, 2017, 33, 2177-2184.	3.5	8
32	Highly sensitive deep-silver-nanowell arrays (d-AgNWAs) for refractometric sensing. Nano Research, 2017, 10, 908-921.	10.4	8
33	From 1D to 3D: a new route to fabricate tridimensional structures via photo-generation of silver networks. RSC Advances, 2015, 5, 28633-28642.	3.6	7
34	Autonomous Control of Fluids in a Wide Surface Tension Range in Microfluidics. Langmuir, 2017, 33, 7248-7255.	3.5	6
35	Facile Synthesis of ZnO-Au Nanopetals and Their Application for Biomolecule Determinations. Chemical Research in Chinese Universities, 2019, 35, 924-928.	2.6	5
36	Deep-elliptical-silver-nanowell arrays (d-EAgNWAs) fabricated by stretchable imprinting combining colloidal lithography: A highly sensitive plasmonic sensing platform. Nano Research, 2019, 12, 845-853.	10.4	5

#	Article	IF	Citations
37	Photonic Crystals Fabricated via Facile Methods and Their Applications. Springer Series in Materials Science, 2016, , 101-158.	0.6	4
38	Au nanorods-sensitized 1DPC for visible detection of NIR light. Journal of Materials Chemistry C, 2017, 5, 2942-2950.	5.5	3
39	Large-scale Au nanoparticle cluster arrays with tunable particle numbers evolved from colloidal lithography. Nanotechnology, 2018, 29, 405301.	2.6	3
40	Self-Recovery Superhydrophobic Surfaces. , 2021, , 39-61.		0
41	Silicon/polymer composite nanopost arrays. Series in Materials Science and Engineering, 2017, , 155-168.	0.1	0
42	Microcapsules-supported Pd catalysts with ultralow ionic residues. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 639, 128343.	4.7	0