

# Xin Du

## List of Publications by Year in descending order

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34  
papers

1,151  
citations

516215

16  
h-index

395343

33  
g-index

35  
all docs

35  
docs citations

35  
times ranked

1846  
citing authors

#	ARTICLE	IF	CITATIONS
1	UVâ€Triggered Dopamine Polymerization: Control of Polymerization, Surface Coating, and Photopatterning. <i>Advanced Materials</i> , 2014, 26, 8029-8033.	11.1	307
2	3D Printing of Bioinspired Liquid Superrepellent Structures. <i>Advanced Materials</i> , 2018, 30, e1800103.	11.1	135
3	Singleâ€Step Fabrication of Highâ€Density Microdroplet Arrays of Lowâ€Surfaceâ€Tension Liquids. <i>Advanced Materials</i> , 2016, 28, 3202-3208.	11.1	93
4	Reactive Superhydrophobic Surface and Its Photoinduced Disulfide-ene and Thiol-ene (Bio)functionalization. <i>Nano Letters</i> , 2015, 15, 675-681.	4.5	86
5	Reversible and Rewritable Surface Functionalization and Patterning via Photodynamic Disulfide Exchange. <i>Advanced Materials</i> , 2015, 27, 4997-5001.	11.1	69
6	Bio-inspired strategy for controlled dopamine polymerization in basic solutions. <i>Polymer Chemistry</i> , 2017, 8, 2145-2151.	1.9	44
7	UVâ€Triggered Polydopamine Secondary Modification: Fast Deposition and Removal of Metal Nanoparticles. <i>Advanced Functional Materials</i> , 2019, 29, 1901875.	7.8	40
8	Vertical Flow Assay for Inflammatory Biomarkers Based on Nanofluidic Channel Array and SERS Nanotags. <i>Small</i> , 2020, 16, e2002801.	5.2	38
9	Generating Microdroplet Array on Photonic Pseudo-paper for Absolute Quantification of Nucleic Acids. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 39144-39150.	4.0	34
10	Reparable Superhydrophobic Surface with Hidden Reactivity, Its Photofunctionalization and Photopatterning. <i>Advanced Functional Materials</i> , 2018, 28, 1803765.	7.8	31
11	Programmable Liquid Adhesion on Bioâ€Inspired Reâ€Entrant Structures. <i>Small</i> , 2019, 15, e1902360.	5.2	31
12	Porous poly(2-octyl cyanoacrylate): a facile one-step preparation of superhydrophobic coatings on different substrates. <i>Journal of Materials Chemistry A</i> , 2013, 1, 1026-1029.	5.2	30
13	Direct UVâ€Induced Functionalization of Surface Hydroxy Groups by Thiolâ€Ol Chemistry. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 3835-3839.	7.2	29
14	Photo-responsive photonic hydrogel: <i>in situ</i> manipulation and monitoring of cell scaffold stiffness. <i>Materials Horizons</i> , 2020, 7, 2944-2950.	6.4	28
15	Fast Strategy to Functional Paper Surfaces. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 14445-14456.	4.0	23
16	Clickable Colloidal Photonic Crystals for Structural Color Pattern. <i>Langmuir</i> , 2018, 34, 13219-13224.	1.6	20
17	Influence of matrix glass transition temperature on the memory effect of polymerâ€dispersed liquid crystals. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2010, 48, 729-732.	2.4	13
18	Staticâ€Dynamic Fluorescence Patterns Based on Photodynamic Disulfide Reactions for Versatile Information Storage. <i>Small</i> , 2021, 17, e2102224.	5.2	12

#	ARTICLE	IF	CITATIONS
19	Control of liquid crystal droplet configuration in polymer dispersed liquid crystal with macro-iniferter polystyrene. <i>Liquid Crystals</i> , 2009, 36, 933-938.	0.9	9
20	Wide-Gamut Biomimetic Structural Colors from Interference-Assisted Two-Photon Polymerization. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 60648-60659.	4.0	9
21	The effect of the resultant microphase-separated structures of polymer matrices on the electro-optical properties of polymer dispersed liquid crystal films by Iniferter polymerization. <i>European Polymer Journal</i> , 2009, 45, 1936-1940.	2.6	8
22	The improvement of electro-optical properties of polymer dispersed liquid crystals using copolymer macroinitiator with different glass transition temperature. <i>Journal of Polymer Science Part A</i> , 2010, 48, 5557-5561.	2.5	8
23	Single-Step Fabrication of High-Throughput Surface-Enhanced Raman Scattering Substrates. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 4222-4232.	4.0	8
24	Effect of molecular weight of macro-iniferter on electro-optical properties of polymer dispersed liquid crystal films prepared by iniferter polymerization. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2009, 47, 1530-1534.	2.4	7
25	Vertical Flow Assays: Vertical Flow Assay for Inflammatory Biomarkers Based on Nanofluidic Channel Array and SERS Nanotags ( <i>Small</i> 32/2020). <i>Small</i> , 2020, 16, 2070180.	5.2	7
26	Facile Surface Functionalization Strategy for Two-Photon Lithography Microstructures. <i>Small</i> , 2021, 17, e2101048.	5.2	6
27	Macro reversible addition-fragmentation chain transfer agent mixture as a means to enhance the electro-optical performance of polymer dispersed liquid crystals. <i>Polymer International</i> , 2011, 60, 971-975.	1.6	5
28	Liquid Superrepellents: 3D Printing of Bioinspired Liquid Superrepellent Structures ( <i>Adv. Mater.</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 38	11.1	5
29	Photo-Adjustable TiO <sub>2</sub> Paper as a Smart Substrate for Paper-Based Analytical Devices. <i>Advanced Materials Interfaces</i> , 2022, 9, .	1.9	4
30	Multidimensional surface patterning based on wavelength-controlled disulfide-diselenide dynamic photochemistry. <i>Materials Today</i> , 2022, 57, 57-65.	8.3	3
31	Reconfigurable Surface with Photodefinable Physicochemical Properties for User-Designable Cell Scaffolds. <i>ACS Applied Bio Materials</i> , 2020, 3, 2230-2238.	2.3	1
32	Disulfide-yne reaction: controlling the reactivity of a surface by light. <i>RSC Advances</i> , 2021, 11, 21023-21028.	1.7	1
33	Polydopamine: UV-Triggered Polydopamine Secondary Modification: Fast Deposition and Removal of Metal Nanoparticles ( <i>Adv. Funct. Mater.</i> 34/2019). <i>Advanced Functional Materials</i> , 2019, 29, 1970233.	7.8	0
34	Polydopamine-Ag composite surface guides HBMSCs adhesion and proliferation. <i>Biomedical Materials (Bristol)</i> , 2021, 16, 025003.	1.7	0