Tohid F Didar

List of Publications by Year
in descending order

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43 papers	2,369 citations	257450 24 h-index	302126 39 g-index
46 all docs	46 docs citations	46 times ranked	2525 citing authors

#	Article	IF	Citations
1	Bio-functionalization of microfluidic platforms made of thermoplastic materials: A review. Analytica Chimica Acta, 2022, 1209, 339283.	5.4	32
2	Producing Fluorine- and Lubricant-Free Flexible Pathogen- and Blood-Repellent Surfaces Using Polysiloxane-Based Hierarchical Structures. ACS Applied Materials & Interfaces, 2022, 14, 3864-3874.	8.0	8
3	Transparent and Highly Flexible Hierarchically Structured Polydimethylsiloxane Surfaces Suppress Bacterial Attachment and Thrombosis Under Static and Dynamic Conditions. Small, 2022, 18, e2108112.	10.0	4
4	Pathogen-Repellent Plastic Wrap with Built-In Hierarchical Structuring Prevents the Contamination of Surfaces with Coronaviruses. ACS Applied Materials & Interfaces, 2022, 14, 11068-11077.	8.0	5
5	Fabrication of Superamphiphobic Surfaces via Spray Coating; a Review. Advanced Materials Technologies, 2022, 7, .	5.8	22
6	Enhancing osseointegration and mitigating bacterial biofilms on medical-grade titanium with chitosan-conjugated liquid-infused coatings. Scientific Reports, 2022, 12, 5380.	3.3	10
7	LISzyme Biosensors: DNAzymes Embedded in an Anti-biofouling Platform for Hands-free Real-Time Detection of Bacterial Contamination in Milk. ACS Nano, 2022, 16, 29-37.	14.6	20
8	Emerging investigator series: bacteriophages as nano engineering tools for quality monitoring and pathogen detection in water and wastewater. Environmental Science: Nano, 2021, 8, 367-389.	4.3	21
9	Conventional and emerging strategies for the fabrication and functionalization of PDMS-based microfluidic devices. Lab on A Chip, 2021, 21, 3053-3075.	6.0	112
10	Regenerating heavily biofouled dissolved oxygen sensors using bacterial viruses. RSC Advances, 2021, 11, 8346-8355.	3.6	0
11	Antibiotic-Impregnated Liquid-Infused Coatings Suppress the Formation of Methicillin-Resistant Staphylococcus aureus Biofilms. ACS Applied Materials & Interfaces, 2021, 13, 27774-27783.	8.0	18
12	DNAzyme-Based Biosensors: Immobilization Strategies, Applications, and Future Prospective. ACS Nano, 2021, 15, 13943-13969.	14.6	121
13	Polysiloxane Nanofilaments Infused with Silicone Oil Prevent Bacterial Adhesion and Suppress Thrombosis on Intranasal Splints. ACS Biomaterials Science and Engineering, 2021, 7, 541-552.	5.2	21
14	Flexible Hierarchical Wraps Repel Drug-Resistant Gram-Negative and Positive Bacteria. ACS Nano, 2020, 14, 454-465.	14.6	42
15	Antibody Micropatterned Lubricantâ€Infused Biosensors Enable Subâ€Picogram Immunofluorescence Detection of Interleukin 6 in Human Whole Plasma. Small, 2020, 16, e2003844.	10.0	26
16	Antimicrobial Nanomaterials and Coatings: Current Mechanisms and Future Perspectives to Control the Spread of Viruses Including SARS-CoV-2. ACS Nano, 2020, 14, 12341-12369.	14.6	268
17	Hierarchical Structures, with Submillimeter Patterns, Micrometer Wrinkles, and Nanoscale Decorations, Suppress Biofouling and Enable Rapid Droplet Digitization. Small, 2020, 16, e2004886.	10.0	15
18	Single and multi-functional coating strategies for enhancing the biocompatibility and tissue integration of blood-contacting medical implants. Biomaterials, 2020, 258, 120291.	11.4	72

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19	Roadmap to the Bioanalytical Testing of COVID-19: From Sample Collection to Disease Surveillance. ACS Sensors, 2020, 5, 3328-3345.	7.8	37
20	Biofunctionalization of Glassâ€•and Paperâ€Based Microfluidic Devices: A Review. Advanced Materials Interfaces, 2019, 6, 1900940.	3.7	33
21	Plasma-induced covalent immobilization and patterning of bioactive species in microfluidic devices. Lab on A Chip, 2019, 19, 3104-3115.	6.0	18
22	Liquid-Infused Surfaces: A Review of Theory, Design, and Applications. ACS Nano, 2019, 13, 8517-8536.	14.6	272
23	Micropatterned biofunctional lubricant-infused surfaces promote selective localized cell adhesion and patterning. Lab on A Chip, 2019, 19, 3228-3237.	6.0	34
24	Step-Wise Assessment and Optimization of Sample Handling Recovery Yield for Nanoproteomic Analysis of 1000 Mammalian Cells. Analytical Chemistry, 2019, 91, 10395-10400.	6.5	18
25	Biofunctional Lubricant-Infused Vascular Grafts Functionalized with Silanized Bio-Inks Suppress Thrombin Generation and Promote Endothelialization. ACS Biomaterials Science and Engineering, 2019, 5, 6485-6496.	5.2	32
26	Affinity-Based Detection of Biomolecules Using Photo-Electrochemical Readout. Frontiers in Chemistry, 2019, 7, 617.	3.6	39
27	Biofunctional interfaces for cell culture in microfluidic devices. , 2019, , 635-699.		3
28	Intelligent Food Packaging: A Review of Smart Sensing Technologies for Monitoring Food Quality. ACS Sensors, 2019, 4, 808-821.	7.8	338
29	Suppression of Biofouling on a Permeable Membrane for Dissolved Oxygen Sensing Using a Lubricant-Infused Coating. ACS Sensors, 2019, 4, 687-693.	7.8	41
30	Lubricantâ€Infused PET Grafts with Builtâ€In Biofunctional Nanoprobes Attenuate Thrombin Generation and Promote Targeted Binding of Cells. Small, 2019, 15, e1905562.	10.0	31
31	Intestinal organoids: A new paradigm for engineering intestinal epithelium in vitro. Biomaterials, 2019, 194, 195-214.	11.4	56
32	Introduction to the Special Issue on Recent Advances in Biomedical Engineering. Journal of Medical and Biological Engineering, 2018, 38, 159-160.	1.8	0
33	Sentinel Wraps: Real-Time Monitoring of Food Contamination by Printing DNAzyme Probes on Food Packaging. ACS Nano, 2018, 12, 3287-3294.	14.6	120
34	Fabricating smooth PDMS microfluidic channels from low-resolution 3D printed molds using an omniphobic lubricant-infused coating. Analytica Chimica Acta, 2018, 1000, 248-255.	5.4	88
35	2108. Perfluorocarbon Omniphobic Treatment Prevents Bacterial Colonization of Urinary Catheter in a Rat Model. Open Forum Infectious Diseases, 2018, 5, S618-S619.	0.9	0
36	Lubricant-Infused Surfaces with Built-In Functional Biomolecules Exhibit Simultaneous Repellency and Tunable Cell Adhesion. ACS Nano, 2018, 12, 10890-10902.	14.6	83

#	Article	IF	Citations
37	Self-Cleaning Ceramic Tiles Produced via Stable Coating of TiO2 Nanoparticles. Materials, 2018, 11, 1003.	2.9	37
38	Conductive Electrochemically Active Lubricantâ€Infused Nanostructured Surfaces Attenuate Coagulation and Enable Frictionâ€Less Droplet Manipulation. Advanced Materials Interfaces, 2018, 5, 1800617.	3.7	38
39	Producing Covalent Microarrays of Amineâ€Conjugated DNA Probes on Various Functional Surfaces to Create Stable and Reliable Biosensors. Advanced Materials Interfaces, 2018, 5, 1800659.	3.7	22
40	An omniphobic lubricant-infused coating produced by chemical vapor deposition of hydrophobic organosilanes attenuates clotting on catheter surfaces. Scientific Reports, 2017, 7, 11639.	3.3	86
41	Generating 2-dimensional concentration gradients of biomolecules using a simple microfluidic design. Biomicrofluidics, 2017, 11, 044111.	2.4	19
42	A Broad-Spectrum Infection Diagnostic that Detects Pathogen-Associated Molecular Patterns (PAMPs) in Whole Blood. EBioMedicine, 2016, 9, 217-227.	6.1	40
43	Improved treatment of systemic blood infections using antibiotics with extracorporeal opsonin hemoadsorption. Biomaterials, 2015, 67, 382-392.	11.4	65