

# Amid Shakeri

## List of Publications by Year in descending order

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Version: 2024-02-01

23  
papers

605  
citations

623734

14  
h-index

677142

22  
g-index

23  
all docs

23  
docs citations

23  
times ranked

511  
citing authors

#	ARTICLE	IF	CITATIONS
1	Conventional and emerging strategies for the fabrication and functionalization of PDMS-based microfluidic devices. <i>Lab on A Chip</i> , 2021, 21, 3053-3075.	6.0	112
2	Fabricating smooth PDMS microfluidic channels from low-resolution 3D printed molds using an omniphobic lubricant-infused coating. <i>Analytica Chimica Acta</i> , 2018, 1000, 248-255.	5.4	88
3	Suppression of Biofouling on a Permeable Membrane for Dissolved Oxygen Sensing Using a Lubricant-Infused Coating. <i>ACS Sensors</i> , 2019, 4, 687-693.	7.8	41
4	Self-Cleaning Ceramic Tiles Produced via Stable Coating of TiO <sub>2</sub> Nanoparticles. <i>Materials</i> , 2018, 11, 1003.	2.9	37
5	Micropatterned biofunctional lubricant-infused surfaces promote selective localized cell adhesion and patterning. <i>Lab on A Chip</i> , 2019, 19, 3228-3237.	6.0	34
6	Biofunctionalization of Glass and Paper-Based Microfluidic Devices: A Review. <i>Advanced Materials Interfaces</i> , 2019, 6, 1900940.	3.7	33
7	Biofunctional Lubricant-Infused Vascular Grafts Functionalized with Silanized Bio-Inks Suppress Thrombin Generation and Promote Endothelialization. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 6485-6496.	5.2	32
8	Bio-functionalization of microfluidic platforms made of thermoplastic materials: A review. <i>Analytica Chimica Acta</i> , 2022, 1209, 339283.	5.4	32
9	Antibody Micropatterned Lubricant-Infused Biosensors Enable Subpicogram Immunofluorescence Detection of Interleukin 6 in Human Whole Plasma. <i>Small</i> , 2020, 16, e2003844.	10.0	26
10	Structural, electrical, and optical properties of sol-gel-derived zirconium-doped barium titanate thin films on transparent conductive substrates. <i>Journal of Sol-Gel Science and Technology</i> , 2018, 86, 141-150.	2.4	25
11	Synthesis and characterization of thick PZT films via sol-gel dip coating method. <i>Applied Surface Science</i> , 2014, 314, 711-719.	6.1	23
12	LIzyme Biosensors: DNAzymes Embedded in an Anti-biofouling Platform for Hands-free Real-Time Detection of Bacterial Contamination in Milk. <i>ACS Nano</i> , 2022, 16, 29-37.	14.6	20
13	Generating 2-dimensional concentration gradients of biomolecules using a simple microfluidic design. <i>Biomicrofluidics</i> , 2017, 11, 044111.	2.4	19
14	Plasma-induced covalent immobilization and patterning of bioactive species in microfluidic devices. <i>Lab on A Chip</i> , 2019, 19, 3104-3115.	6.0	18
15	Hierarchical Structures, with Submillimeter Patterns, Micrometer Wrinkles, and Nanoscale Decorations, Suppress Biofouling and Enable Rapid Droplet Digitization. <i>Small</i> , 2020, 16, e2004886.	10.0	15
16	Sol-gel synthesis of PZT thin films on FTO glass substrates for electro-optic devices. <i>Journal of Sol-Gel Science and Technology</i> , 2020, 93, 623-632.	2.4	10
17	Determination of Proper Austenitization Temperatures for Hot Stamping of AISI 4140 Steel. <i>Journal of Materials Engineering and Performance</i> , 2014, 23, 1138-1145.	2.5	9
18	Effects of Calcination Parameters on the Microstructure and Morphology of PZT Nanoparticles Prepared by Modified Sol-Gel Method. <i>Advanced Materials Research</i> , 0, 576, 326-329.	0.3	8

#	ARTICLE	IF	CITATIONS
19	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
20	Fabrication of Nb-doped lead zirconate titanate thick films synthesized by sol-gel dip coating method. Journal of Materials Science: Materials in Electronics, 2016, 27, 5654-5664.	2.2	6
21	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
22	Synthesizing nanostructured crack-free thick films of Fe-doped lead zirconate titanate by sol-gel dip coating method. Journal of Sol-Gel Science and Technology, 2017, 81, 814-823.	2.4	3
23	Piezoelectric: Multi-stacked hard/soft Pb(Ti,Zr)O <sub>3</sub> films deposited through wet chemical method. Materials Chemistry and Physics, 2021, 267, 124637.	4.0	2