Tak-Sing Wong

List of Publications by Year
in descending order

36 papers	9,380 citations	279487 23 h-index	433756 31 g-index
40 all docs	40 docs citations	40 times ranked	8683 citing authors

#	Article	IF	Citations
1	Compact nanoscale textures reduce contact time of bouncing droplets. Science Advances, 2020, 6, eabb2307.	4.7	46
2	Designing Nature-Inspired Liquid-Repellent Surfaces. , 2020, , 300-319.		1
3	SLIPS-LABâ€"A bioinspired bioanalysis system for metabolic evaluation of urinary stone disease. Science Advances, 2020, 6, eaba8535.	4.7	26
4	Viscoelastic solid-repellent coatings for extreme water saving and global sanitation. Nature Sustainability, 2019, 2, 1097-1105.	11.5	77
5	Hydrophilic directional slippery rough surfaces for water harvesting. Science Advances, 2018, 4, eaaq0919.	4.7	386
6	Multifunctional ferrofluid-infused surfaces with reconfigurable multiscale topography. Nature, 2018, 559, 77-82.	13.7	229
7	Free-standing liquid membranes as unusual particle separators. Science Advances, 2018, 4, eaat3276.	4.7	29
8	A Switchable Crossâ€Species Liquid Repellent Surface. Advanced Materials, 2017, 29, 1604641.	11.1	186
9	Ultra-antireflective synthetic brochosomes. Nature Communications, 2017, 8, 1285.	5.8	101
10	Bioinspired Omniphobic Coatings with a Thermal Self-Repair Function on Industrial Materials. ACS Applied Materials & Interfaces, 2016, 8, 8265-8271.	4.0	83
11	Ultrasensitive surface-enhanced Raman scattering detection in common fluids. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 268-273.	3.3	591
12	Slippery Wenzel State. ACS Nano, 2015, 9, 9260-9267.	7.3	207
13	Liquid-Infused Silicone As a Biofouling-Free Medical Material. ACS Biomaterials Science and Engineering, 2015, 1, 43-51.	2.6	235
14	Fabrics coated with lubricated nanostructures display robust omniphobicity. Nanotechnology, 2014, 25, 014019.	1.3	86
15	Transparency and damage tolerance of patternable omniphobic lubricated surfaces based on inverse colloidal monolayers. Nature Communications, 2013, 4, 2167.	5.8	339
16	Lubricant-infused micro/nano-structured surfaces with tunable dynamic omniphobicity at high temperatures. Applied Physics Letters, 2013, 102, .	1.5	127
17	Adaptive fluid-infused porous films with tunable transparency and wettability. Nature Materials, 2013, 12, 529-534.	13.3	481
18	Interfacial materials with special wettability. MRS Bulletin, 2013, 38, 366-371.	1.7	137

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19	Liquid-infused structured surfaces with exceptional anti-biofouling performance. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 13182-13187.	3.3	783
20	Liquid-Infused Nanostructured Surfaces with Extreme Anti-Ice and Anti-Frost Performance. ACS Nano, 2012, 6, 6569-6577.	7.3	1,118
21	Bioinspired self-repairing slippery surfaces with pressure-stable omniphobicity. Nature, 2011, 477, 443-447.	13.7	3,165
22	Nanochromatography Driven by the Coffee Ring Effect. Analytical Chemistry, 2011, 83, 1871-1873.	3.2	277
23	Minimal Size of Coffee Ring Structure. Journal of Physical Chemistry B, 2010, 114, 5269-5274.	1.2	306
24	Dependence of Macroscopic Wetting on Nanoscopic Surface Textures. Langmuir, 2009, 25, 12851-12854.	1.6	105
25	Wetting Behaviors of Individual Nanostructures. Langmuir, 2009, 25, 6599-6603.	1.6	23
26	Creation of functional micro/nano systems through top-down and bottom-up approaches. MCB Molecular and Cellular Biomechanics, 2009, 6, 1-55.	0.3	19
27	Formation of high electromagnetic gradients through a particle-based microfluidic approach. Journal of Micromechanics and Microengineering, 2007, 17, 1299-1306.	1.5	23
28	Manufacture of nanoscale structures through integrated top-down and bottom-up approaches. , 2007, , .		0
29	Surface initiated actin polymerization from top-down manufactured nanopatterns. Soft Matter, 2007, 3, 541.	1.2	24
30	Development of an automated microspotting system for rapid dielectrophoretic fabrication of bundled carbon nanotube sensors. IEEE Transactions on Automation Science and Engineering, 2006, 3, 218-227.	3.4	15
31	Silicone polymer chemical vapor sensors fabricated by direct polymer patterning on substrate technique (DPPOST). Sensors and Actuators B: Chemical, 2006, 116, 2-10.	4.0	14
32	Dielectrophoretic Batch Fabrication of Bundled Carbon Nanotube Thermal Sensors. IEEE Nanotechnology Magazine, 2004, 3, 395-403.	1.1	108
33	DEPENDENCE OF AC ELECTROPHORESIS CARBON NANOTUBE MANIPULATION ON MICROELECTRODE GEOMETRY. International Journal of Nonlinear Sciences and Numerical Simulation, 2002, 3, .	0.4	12
34	Towards batch fabrication of bundled carbon nanotube thermal sensors. , 0, , .		15
35	Conductive silicone based MEMS sensor and actuator. , 0, , .		1
36	SU-8 lift-off patterned silicone chemical vapor sensor arrays. , 0, , .		5