Chih-Tsung Yang

List of Publications by Year
in descending order

22	453	687220 13	713332 21
papers	citations	h-index	g-index

24	24	24	999
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Sensitive and Specific Biomimetic Lipid Coated Microfluidics to Isolate Viable Circulating Tumor Cells and Microemboli for Cancer Detection. PLoS ONE, 2016, 11, e0149633.	1.1	54
2	Cellular Micromotion Monitored by Long-Range Surface Plasmon Resonance with Optical Fluctuation Analysis. Analytical Chemistry, 2015, 87, 1456-1461.	3.2	48
3	Toward Intraoperative Detection of Disseminated Tumor Cells in Lymph Nodes with Silicon Nanowire Field Effect Transistors. ACS Nano, 2016, 10, 2357-2364.	7.3	48
4	Ultrasensitive Detection of Cancer Prognostic miRNA Biomarkers Based on Surface Plasmon Enhanced Light Scattering. ACS Sensors, 2017, 2, 635-640.	4.0	41
5	Effect of Solvents and Temperature on the Conformation of Poly(Î²-benzyl-<scp>l</scp>-aspartate) Brushes. Biomacromolecules, 2010, 11, 1308-1313.	2.6	26
6	Investigation of plasmonic signal enhancement based on long range surface plasmon resonance with gold nanoparticle tags. Journal of Materials Chemistry C, 2016, 4, 9897-9904.	2.7	26
7	Exploiting Surface-Plasmon-Enhanced Light Scattering for the Design of Ultrasensitive Biosensing Modality. Analytical Chemistry, 2016, 88, 11924-11930.	3.2	26
8	Development of a simplified approach for the fabrication of localised surface plasmon resonance sensors based on gold nanorods functionalized using mixed polyethylene glycol layers. Analytica Chimica Acta, 2017, 974, 87-92.	2.6	26
9	Controlled Molecular Organization of Surface Macromolecular Assemblies Based on Stimuli-Responsive Polypeptide Brushes. Biomacromolecules, 2009, 10, 58-65.	2.6	25
10	Validation of a Vasculogenesis Microfluidic Model for Radiobiological Studies of the Human Microvasculature. Advanced Materials Technologies, 2019, 4, 1800726.	3.0	23
11	â€œMucus-on-Chipâ€: A new tool to study the dynamic penetration of nanoparticulate drug carriers into mucus. International Journal of Pharmaceutics, 2021, 598, 120391.	2.6	18
12	Fast and Highly Sensitive Detection of Pathogens Wreathed with Magnetic Nanoparticles Using Dark-Field Microscopy. ACS Sensors, 2018, 3, 2175-2181.	4.0	17
13	Surface Plasmon Enhanced Light Scattering Biosensing: Size Dependence on the Gold Nanoparticle Tag. Sensors, 2019, 19, 323.	2.1	15
14	Silicon Nanowires Field Effect Transistors: A Comparative Sensing Performance between Electrical Impedance and Potentiometric Measurement Paradigms. Analytical Chemistry, 2019, 91, 12568-12573.	3.2	14
15	Gold Nanoparticle Probe-Assisted Antigen-Counting Chip Using SEM. ACS Applied Materials & Interfaces, 2019, 11, 6769-6776.	4.0	11
16	Robust and Flexible Fabrication of Chemical Micropatterns for Tumor Spheroid Preparation. ACS Applied Materials & Interfaces, 2014, 6, 10162-10171.	4.0	8
17	Naked-Eye Enumeration of Single Chlamydia pneumoniae Based on Light Scattering of Gold Nanoparticle Probe. ACS Sensors, 2020, 5, 1140-1148.	4.0	8
18	Chemoresponsive surface-tethered polypeptide brushes based on switchable secondary conformations. RSC Advances, 2015, 5, 86113-86119.	1.7	6

#	Article	IF	Citations
19	Detection of a single circulating tumor cell using a genetically engineered antibody-like phage nanofiber probe. Materials Today Advances, 2021, 12, 100168.	2.5	6
20	Hele Shaw microfluidic device: A new tool for systematic investigation into the effect of the fluid shear stress for organs-on-chips. MethodsX, 2020, 7, 100980.	0.7	5
21	Comparison of sensor structures for the signal amplification of surface plasmon resonance immunoassay using enzyme precipitation. Proceedings of SPIE, 2015, , .	0.8	2
22	An Ultrasensitive Virus ELISA Based on a magnetic Mesoporous Silica Nanoprobe. Particle and Particle Systems Characterization, 2021, 38, 2100146.	1.2	0