Tutku Beduk

List of Publications by Year
in descending order

16	811	623734 14	940533 16
papers	citations	h-index	g-index

17	17	17	861
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	'All In One' SARS-CoV-2 variant recognition platform: Machine learning-enabled point of care diagnostics. Biosensors and Bioelectronics: X, 2022, 10, 100105.	1.7	17
2	A Portable Molecularly Imprinted Sensor for On-Site and Wireless Environmental Bisphenol A Monitoring. Frontiers in Chemistry, 2022, 10, 833899.	3.6	14
3	Laserâ€scribed Graphene Electrodes as an Electrochemical Immunosensing Platform for Cancer Biomarker â€˜eIF3dâ€™. Electroanalysis, 2021, 33, 1072-1080.	2.9	4
4	Electrochemical sensors targeting salivary biomarkers: A comprehensive review. TrAC - Trends in Analytical Chemistry, 2021, 135, 116164.	11.4	89
5	Gold nanostructured laser-scribed graphene: A new electrochemical biosensing platform for potential point-of-care testing of disease biomarkers. Biosensors and Bioelectronics, 2021, 180, 113116.	10.1	84
6	Rapid Point-of-Care COVID-19 Diagnosis with a Gold-Nanoarchitecture-Assisted Laser-Scribed Graphene Biosensor. Analytical Chemistry, 2021, 93, 8585-8594.	6.5	115
7	Binary transition metal oxide modified laser-scribed graphene electrochemical aptasensor for the accurate and sensitive screening of acute myocardial infarction. Electrochimica Acta, 2021, 386, 138489.	5.2	34
8	Breath as the mirror of our body is the answer really blowing in the wind? Recent technologies in exhaled breath analysis systems as non-invasive sensing platforms. TrAC - Trends in Analytical Chemistry, 2021, 143, 116329.	11.4	19
9	Laser-scribed graphene sensor based on gold nanostructures and molecularly imprinted polymers: Application for Her-2 cancer biomarker detection. Sensors and Actuators B: Chemical, 2021, 347, 130556.	7.8	37
10	Inherent Surface Activation of Laser-Scribed Graphene Decorated with Au and Ag Nanoparticles: Simultaneous Electrochemical Behavior toward Uric Acid and Dopamine. Langmuir, 2021, 37, 13890-13902.	3.5	18
11	A paper-based inkjet-printed PEDOT:PSS/ZnO sol-gel hydrazine sensor. Sensors and Actuators B: Chemical, 2020, 306, 127539.	7.8	72
12	Laser scribed graphene: A novel platform for highly sensitive detection of electroactive biomolecules. Biosensors and Bioelectronics, 2020, 168, 112509.	10.1	49
13	Electrochemical sensors and biosensors using laser-derived graphene: A comprehensive review. Biosensors and Bioelectronics, 2020, 168, 112565.	10.1	113
14	Mechanochemical generation of singlet oxygen. RSC Advances, 2020, 10, 9182-9186.	3.6	17
15	One-step electrosynthesized molecularly imprinted polymer on laser scribed graphene bisphenol a sensor. Sensors and Actuators B: Chemical, 2020, 314, 128026.	7.8	91
16	One-step synthesis and decoration of nickel oxide nanosheets with gold nanoparticles by reduction method for hydrazine sensing application. Sensors and Actuators B: Chemical, 2019, 286, 139-147.	7.8	38