

Tutku Beduk

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

811
citations

623734

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940533

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17
times ranked

861
citing authors

#	ARTICLE	IF	CITATIONS
1	Rapid Point-of-Care COVID-19 Diagnosis with a Gold-Nanoarchitecture-Assisted Laser-Scribed Graphene Biosensor. <i>Analytical Chemistry</i> , 2021, 93, 8585-8594.	6.5	115
2	Electrochemical sensors and biosensors using laser-derived graphene: A comprehensive review. <i>Biosensors and Bioelectronics</i> , 2020, 168, 112565.	10.1	113
3	One-step electrosynthesized molecularly imprinted polymer on laser scribed graphene bisphenol a sensor. <i>Sensors and Actuators B: Chemical</i> , 2020, 314, 128026.	7.8	91
4	Electrochemical sensors targeting salivary biomarkers: A comprehensive review. <i>TrAC - Trends in Analytical Chemistry</i> , 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. <i>Biosensors and Bioelectronics</i> , 2021, 180, 113116.	10.1	84
6	A paper-based inkjet-printed PEDOT:PSS/ZnO sol-gel hydrazine sensor. <i>Sensors and Actuators B: Chemical</i> , 2020, 306, 127539.	7.8	72
7	Laser scribed graphene: A novel platform for highly sensitive detection of electroactive biomolecules. <i>Biosensors and Bioelectronics</i> , 2020, 168, 112509.	10.1	49
8	One-step synthesis and decoration of nickel oxide nanosheets with gold nanoparticles by reduction method for hydrazine sensing application. <i>Sensors and Actuators B: Chemical</i> , 2019, 286, 139-147.	7.8	38
9	Laser-scribed graphene sensor based on gold nanostructures and molecularly imprinted polymers: Application for Her-2 cancer biomarker detection. <i>Sensors and Actuators B: Chemical</i> , 2021, 347, 130556.	7.8	37
10	Binary transition metal oxide modified laser-scribed graphene electrochemical aptasensor for the accurate and sensitive screening of acute myocardial infarction. <i>Electrochimica Acta</i> , 2021, 386, 138489.	5.2	34
11	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. <i>TrAC - Trends in Analytical Chemistry</i> , 2021, 143, 116329.	11.4	19
12	Inherent Surface Activation of Laser-Scribed Graphene Decorated with Au and Ag Nanoparticles: Simultaneous Electrochemical Behavior toward Uric Acid and Dopamine. <i>Langmuir</i> , 2021, 37, 13890-13902.	3.5	18
13	Mechanochemical generation of singlet oxygen. <i>RSC Advances</i> , 2020, 10, 9182-9186.	3.6	17
14	'All In One' SARS-CoV-2 variant recognition platform: Machine learning-enabled point of care diagnostics. <i>Biosensors and Bioelectronics: X</i> , 2022, 10, 100105.	1.7	17
15	A Portable Molecularly Imprinted Sensor for On-Site and Wireless Environmental Bisphenol A Monitoring. <i>Frontiers in Chemistry</i> , 2022, 10, 833899.	3.6	14
16	Laser-Scribed Graphene Electrodes as an Electrochemical Immunosensing Platform for Cancer Biomarker α -F3d TM . <i>Electroanalysis</i> , 2021, 33, 1072-1080.	2.9	4