

Abdellatif Ait-Lahcen

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

1,505
citations

394286

19
h-index

477173

29
g-index

31
all docs

31
docs citations

31
times ranked

1376
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecularly Imprinted Polymer-Decorated Magnetite Nanoparticles for Selective Sulfonamide Detection. <i>Analytical Chemistry</i> , 2016, 88, 3578-3584.	3.2	137
2	Ultrasound assisted magnetic imprinted polymer combined sensor based on carbon black and gold nanoparticles for selective and sensitive electrochemical detection of Bisphenol A. <i>Sensors and Actuators B: Chemical</i> , 2018, 276, 304-312.	4.0	124
3	Recent Advances in Electrochemical Sensors Based on Molecularly Imprinted Polymers and Nanomaterials. <i>Electroanalysis</i> , 2019, 31, 188-201.	1.5	124
4	Electrochemical sensors and biosensors using laser-derived graphene: A comprehensive review. <i>Biosensors and Bioelectronics</i> , 2020, 168, 112565.	5.3	113
5	Synthesis and electrochemical characterization of nanostructured magnetic molecularly imprinted polymers for 17- β -Estradiol determination. <i>Sensors and Actuators B: Chemical</i> , 2017, 241, 698-705.	4.0	111
6	One-step electrosynthesized molecularly imprinted polymer on laser scribed graphene bisphenol a sensor. <i>Sensors and Actuators B: Chemical</i> , 2020, 314, 128026.	4.0	91
7	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.	5.3	84
8	A sensitive method for the determination of Sulfonamides in seawater samples by Solid Phase Extraction and UV-Visible spectrophotometry. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 181, 276-285.	2.0	72
9	A chitosan gold nanoparticles molecularly imprinted polymer based ciprofloxacin sensor. <i>RSC Advances</i> , 2020, 10, 12823-12832.	1.7	70
10	Label-free electrochemical sensor based on spore-imprinted polymer for <i>Bacillus cereus</i> spore detection. <i>Sensors and Actuators B: Chemical</i> , 2018, 276, 114-120.	4.0	58
11	Electroanalytical determination of Bisphenol A: Investigation of electrode surface fouling using various carbon materials. <i>Journal of Electroanalytical Chemistry</i> , 2017, 789, 58-66.	1.9	53
12	Laser scribed graphene: A novel platform for highly sensitive detection of electroactive biomolecules. <i>Biosensors and Bioelectronics</i> , 2020, 168, 112509.	5.3	49
13	Voltammetric determination of sulfonamides using paste electrodes based on various carbon nanomaterials. <i>Mikrochimica Acta</i> , 2016, 183, 2169-2176.	2.5	48
14	Study of solvent effect on the synthesis of magnetic molecularly imprinted polymers based on ultrasound probe: Application for sulfonamide detection. <i>Ultrasonics Sonochemistry</i> , 2019, 58, 104670.	3.8	45
15	Mini-review: Recent Advances in Electrochemical Determination of Sulfonamides. <i>Analytical Letters</i> , 2018, 51, 424-441.	1.0	42
16	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.	4.0	37
17	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.	2.6	34
18	A label-free aptasensor FET based on Au nanoparticle decorated Co ₃ O ₄ nanorods and a SWCNT layer for detection of cardiac troponin T protein. <i>Journal of Materials Chemistry B</i> , 2020, 8, 18-26.	2.9	33

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19	Fast route for the synthesis of decorated nanostructured magnetic molecularly imprinted polymers using an ultrasound probe. <i>Ultrasonics Sonochemistry</i> , 2019, 53, 226-236.	3.8	32
20	Minimally-invasive, real-time, non-destructive, species-independent phytohormone biosensor for precision farming. <i>Biosensors and Bioelectronics</i> , 2022, 214, 114515.	5.3	20
21	Electrochemical Characterization of Carbon Solid-like Paste Electrode Assembled Using Different Carbon Nanoparticles. <i>Electroanalysis</i> , 2016, 28, 1044-1051.	1.5	19
22	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.	1.6	18
23	Carbon Nanostructures for Energy and Sensing Applications. <i>Journal of Nanotechnology</i> , 2019, 2019, 1-3.	1.5	17
24	Dehydrate Sewage Sludge as an Efficient Adsorbent for Malachite Green Removal in Textile Wastewater: Experimental and Theoretical Studies. <i>Chemistry Africa</i> , 2022, 5, 359-373.	1.2	15
25	3D-porous laser-scribed graphene decorated with overoxidized polypyrrole as an electrochemical sensing platform for dopamine. <i>Journal of Electroanalytical Chemistry</i> , 2022, 919, 116529.	1.9	15
26	A Portable Molecularly Imprinted Sensor for On-Site and Wireless Environmental Bisphenol A Monitoring. <i>Frontiers in Chemistry</i> , 2022, 10, 833899.	1.8	14
27	Recent Advances and Prospects of Biochar-based Adsorbents for Malachite Green Removal: A Comprehensive Review. <i>Chemistry Africa</i> , 2023, 6, 579-608.	1.2	11
28	In Silico Approaches for Some Sulfa Drugs as Eco-Friendly Corrosion Inhibitors of Iron in Aqueous Medium. <i>Lubricants</i> , 2022, 10, 43.	1.2	10
29	Dried sewage sludge as an efficient adsorbent for pollutants: cationic methylene blue removal case study. <i>Nanotechnology for Environmental Engineering</i> , 2021, 6, 1.	2.0	7
30	Biorecognition elements. , 2022, , 41-70.		2
31	Minimally-Invasive, Real-Time, Non-Destructive, Species-Independent Phytohormone Biosensor for Precision Farming. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0