

Meral Yuce

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

38
papers

985
citations

15
h-index

31
g-index

45
ext. papers

1,307
ext. citations

5.3
avg, IF

5.56
L-index

#	Paper	IF	Citations
38	COVID-19 diagnosis -A review of current methods. <i>Biosensors and Bioelectronics</i> , 2021 , 172, 112752	11.8	166
37	Trends in aptamer selection methods and applications. <i>Analyst, The</i> , 2015 , 140, 5379-99	5	126
36	Characterization of a simple bacterial consortium for effective treatment of wastewaters with reactive dyes and Cr(VI). <i>Chemosphere</i> , 2007 , 67, 826-31	8.4	82
35	Dual-excitation upconverting nanoparticle and quantum dot aptasensor for multiplexed food pathogen detection. <i>Biosensors and Bioelectronics</i> , 2016 , 81, 280-286	11.8	75
34	How to make nanobiosensors: surface modification and characterisation of nanomaterials for biosensing applications. <i>RSC Advances</i> , 2017 , 7, 49386-49403	3.7	69
33	Aptamer and nanomaterial based FRET biosensors: a review on recent advances (2014-2019). <i>Mikrochimica Acta</i> , 2019 , 186, 563	5.8	68
32	Comparative metabolite profiling of drought stress in roots and leaves of seven Triticeae species. <i>BMC Genomics</i> , 2017 , 18, 969	4.5	62
31	Current Perspectives on Aptamers as Diagnostic Tools and Therapeutic Agents. <i>Pharmaceutics</i> , 2020 , 12,	6.4	41
30	An advanced investigation on a new algal sensor determining Pb(II) ions from aqueous media. <i>Biosensors and Bioelectronics</i> , 2010 , 26, 321-6	11.8	38
29	A voltammetric <i>Rhodotorula mucilaginosa</i> modified microbial biosensor for Cu(II) determination. <i>Bioelectrochemistry</i> , 2010 , 79, 66-70	5.6	35
28	Molecular organization and comparative analysis of chromosome 5B of the wild wheat ancestor <i>Triticum dicoccoides</i> . <i>Scientific Reports</i> , 2015 , 5, 10763	4.9	24
27	Employment of nanomaterials in polymerase chain reaction: insight into the impacts and putative operating mechanisms of nano-additives in PCR. <i>RSC Advances</i> , 2014 , 4, 36800-36814	3.7	23
26	Using of <i>Rhizopus arrhizus</i> as a sensor modifying component for determination of Pb(II) in aqueous media by voltammetry. <i>Bioresource Technology</i> , 2010 , 101, 7551-5	11	22
25	The physical map of wheat chromosome 5DS revealed gene duplications and small rearrangements. <i>BMC Genomics</i> , 2015 , 16, 453	4.5	16
24	Exploiting Stokes and anti-Stokes type emission profiles of aptamer-functionalized luminescent nanoprobes for multiplex sensing applications. <i>ChemistrySelect</i> , 2018 , 3, 5814-5823	1.8	15
23	Nanomaterials to tackle the COVID-19 pandemic. <i>Emergent Materials</i> , 2021 , 4, 1-19	3.5	14
22	Nanoplasmonic biosensors: Theory, structure, design, and review of recent applications. <i>Analytica Chimica Acta</i> , 2021 , 1185, 338842	6.6	11

21	Utilization of heat-dried <i>Pseudomonas aeruginosa</i> biomass for voltammetric determination of Pb(II). <i>New Biotechnology</i> , 2011 , 28, 356-61	6.4	10
20	Functionalized Graphitic Carbon Nitrides for Environmental and Sensing Applications. <i>Advanced Energy and Sustainability Research</i> , 2021 , 2, 2000073	1.6	9
19	Characterization of a dual biotin tag for improved single stranded DNA production. <i>Analytical Methods</i> , 2014 , 6, 548-557	3.2	8
18	Microfabricated tools for quantitative plant biology. <i>Analyst, The</i> , 2017 , 142, 835-848	5	7
17	Plasmonic Selection of ssDNA Aptamers against Fibroblast Growth Factor Receptor. <i>ACS Combinatorial Science</i> , 2019 , 21, 578-587	3.9	7
16	Amplification yield enhancement of short DNA templates using bulk and surface-attached amine-functionalized single-wall carbon nanotubes. <i>Applied Surface Science</i> , 2015 , 349, 147-155	6.7	7
15	Influence of Fluid Properties on Intensity of Hydrodynamic Cavitation and Deactivation of <i>Salmonella typhimurium</i> . <i>Processes</i> , 2020 , 8, 326	2.9	7
14	Dispersion quality of amine functionalized multiwall carbon nanotubes plays critical roles in polymerase chain reaction enhancement. <i>Journal of Nanoparticle Research</i> , 2014 , 16, 1	2.3	6
13	Fractionated charge variants of biosimilars: A review of separation methods, structural and functional analysis. <i>Analytica Chimica Acta</i> , 2021 , 1152, 238189	6.6	6
12	Bioconjugated nanomaterials for monitoring food contamination 2017 , 93-127		5
11	Systematic Evolution of Ligands by Exponential Enrichment for Aptamer Selection 2018 , 211-243		5
10	Microwave-assisted green synthesis of silver nanoparticles using dried extracts of <i>Chlorella vulgaris</i> and antibacterial activity studies. <i>Green Processing and Synthesis</i> , 2020 , 9, 283-293	3.9	4
9	Real-time water quality monitoring of an artificial lake using a portable, affordable, simple, Arduino-based open source sensor. <i>Environmental Engineering</i> , 2019 , 6, 7-14	0.2	4
8	THROUGH THE LOOKING GLASS: Real-Time Imaging in <i>Brachypodium</i> Roots and Osmotic Stress Analysis. <i>Plants</i> , 2019 , 8,	4.5	4
7	Microwave-Promoted Continuous Flow Systems in Nanoparticle Synthesis: A Perspective. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 9988-10015	8.3	3
6	Temperature and pH-Dependent Behaviors of mAb Drugs: A Case Study for Trastuzumab. <i>Scientia Pharmaceutica</i> , 2022 , 90, 21	4.3	2
5	Pan-Genome miRNomics in. <i>Plants</i> , 2021 , 10,	4.5	1
4	Nanotechnology in food and water security: on-site detection of agricultural pollutants through surface-enhanced Raman spectroscopy.. <i>Emergent Materials</i> , 2022 , 5, 1-28	3.5	0

- 3 Optimized Methods for Analytical and Functional Comparison of Biosimilar mAb Drugs: A Case Study for Avastin, Mvasi, and Zirabev. *Scientia Pharmaceutica*, **2022**, 90, 36 43 ○
- 2 A microwave-powered continuous fluidic system for polymer nanocomposite manufacturing: a proof-of-concept study. *Green Chemistry*, **2022**, 24, 2812-2824 10
- 1 Application of Nanomaterials in Food Quality Assessment **2022**, 1-44