

# Meral Yuce

## List of Publications by Year in Descending Order

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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	A microwave-powered continuous fluidic system for polymer nanocomposite manufacturing: a proof-of-concept study. <i>Green Chemistry</i> , <b>2022</b> , 24, 2812-2824	10	
37	Application of Nanomaterials in Food Quality Assessment <b>2022</b> , 1-44		
36	Nanotechnology in food and water security: on-site detection of agricultural pollutants through surface-enhanced Raman spectroscopy.. <i>Emergent Materials</i> , <b>2022</b> , 5, 1-28	3.5	0
35	Temperature and pH-Dependent Behaviors of mAb Drugs: A Case Study for Trastuzumab. <i>Scientia Pharmaceutica</i> , <b>2022</b> , 90, 21	4.3	2
34	Optimized Methods for Analytical and Functional Comparison of Biosimilar mAb Drugs: A Case Study for Avastin, Mvasi, and Zirabev. <i>Scientia Pharmaceutica</i> , <b>2022</b> , 90, 36	4.3	0
33	Fractionated charge variants of biosimilars: A review of separation methods, structural and functional analysis. <i>Analytica Chimica Acta</i> , <b>2021</b> , 1152, 238189	6.6	6
32	Pan-Genome miRNomics in. <i>Plants</i> , <b>2021</b> , 10,	4.5	1
31	Nanoplasmonic biosensors: Theory, structure, design, and review of recent applications. <i>Analytica Chimica Acta</i> , <b>2021</b> , 1185, 338842	6.6	11
30	Microwave-Promoted Continuous Flow Systems in Nanoparticle SynthesisA Perspective. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2021</b> , 9, 9988-10015	8.3	3
29	COVID-19 diagnosis -A review of current methods. <i>Biosensors and Bioelectronics</i> , <b>2021</b> , 172, 112752	11.8	166
28	Functionalized Graphitic Carbon Nitrides for Environmental and Sensing Applications. <i>Advanced Energy and Sustainability Research</i> , <b>2021</b> , 2, 2000073	1.6	9
27	Nanomaterials to tackle the COVID-19 pandemic. <i>Emergent Materials</i> , <b>2021</b> , 4, 1-19	3.5	14
26	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> , <b>2020</b> , 9, 283-293	3.9	4
25	Current Perspectives on Aptamers as Diagnostic Tools and Therapeutic Agents. <i>Pharmaceutics</i> , <b>2020</b> , 12,	6.4	41
24	Influence of Fluid Properties on Intensity of Hydrodynamic Cavitation and Deactivation of <i>Salmonella typhimurium</i> . <i>Processes</i> , <b>2020</b> , 8, 326	2.9	7
23	Plasmonic Selection of ssDNA Aptamers against Fibroblast Growth Factor Receptor. <i>ACS Combinatorial Science</i> , <b>2019</b> , 21, 578-587	3.9	7
22	Aptamer and nanomaterial based FRET biosensors: a review on recent advances (2014-2019). <i>Mikrochimica Acta</i> , <b>2019</b> , 186, 563	5.8	68

21	Real-time water quality monitoring of an artificial lake using a portable, affordable, simple, Arduino-based open source sensor. <i>Environmental Engineering</i> , <b>2019</b> , 6, 7-14	0.2	4
20	THROUGH THE LOOKING GLASS: Real-Time Imaging in Brachypodium Roots and Osmotic Stress Analysis. <i>Plants</i> , <b>2019</b> , 8,	4.5	4
19	Exploiting Stokes and anti-Stokes type emission profiles of aptamer-functionalized luminescent nanoprobes for multiplex sensing applications. <i>ChemistrySelect</i> , <b>2018</b> , 3, 5814-5823	1.8	15
18	Systematic Evolution of Ligands by Exponential Enrichment for Aptamer Selection <b>2018</b> , 211-243		5
17	Microfabricated tools for quantitative plant biology. <i>Analyst, The</i> , <b>2017</b> , 142, 835-848	5	7
16	How to make nanobiosensors: surface modification and characterisation of nanomaterials for biosensing applications. <i>RSC Advances</i> , <b>2017</b> , 7, 49386-49403	3.7	69
15	Bioconjugated nanomaterials for monitoring food contamination <b>2017</b> , 93-127		5
14	Comparative metabolite profiling of drought stress in roots and leaves of seven Triticeae species. <i>BMC Genomics</i> , <b>2017</b> , 18, 969	4.5	62
13	Dual-excitation upconverting nanoparticle and quantum dot aptasensor for multiplexed food pathogen detection. <i>Biosensors and Bioelectronics</i> , <b>2016</b> , 81, 280-286	11.8	75
12	Amplification yield enhancement of short DNA templates using bulk and surface-attached amine-functionalized single-wall carbon nanotubes. <i>Applied Surface Science</i> , <b>2015</b> , 349, 147-155	6.7	7
11	Molecular organization and comparative analysis of chromosome 5B of the wild wheat ancestor <i>Triticum dicoccoides</i> . <i>Scientific Reports</i> , <b>2015</b> , 5, 10763	4.9	24
10	The physical map of wheat chromosome 5DS revealed gene duplications and small rearrangements. <i>BMC Genomics</i> , <b>2015</b> , 16, 453	4.5	16
9	Trends in aptamer selection methods and applications. <i>Analyst, The</i> , <b>2015</b> , 140, 5379-99	5	126
8	Characterization of a dual biotin tag for improved single stranded DNA production. <i>Analytical Methods</i> , <b>2014</b> , 6, 548-557	3.2	8
7	Employment of nanomaterials in polymerase chain reaction: insight into the impacts and putative operating mechanisms of nano-additives in PCR. <i>RSC Advances</i> , <b>2014</b> , 4, 36800-36814	3.7	23
6	Dispersion quality of amine functionalized multiwall carbon nanotubes plays critical roles in polymerase chain reaction enhancement. <i>Journal of Nanoparticle Research</i> , <b>2014</b> , 16, 1	2.3	6
5	Utilization of heat-dried <i>Pseudomonas aeruginosa</i> biomass for voltammetric determination of Pb(II). <i>New Biotechnology</i> , <b>2011</b> , 28, 356-61	6.4	10
4	An advanced investigation on a new algal sensor determining Pb(II) ions from aqueous media. <i>Biosensors and Bioelectronics</i> , <b>2010</b> , 26, 321-6	11.8	38

3	A voltammetric <i>Rhodotorula mucilaginosa</i> modified microbial biosensor for Cu(II) determination. <i>Bioelectrochemistry</i> , <b>2010</b> , 79, 66-70	5.6	35
2	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> , <b>2010</b> , 101, 7551-5	11	22
1	Characterization of a simple bacterial consortium for effective treatment of wastewaters with reactive dyes and Cr(VI). <i>Chemosphere</i> , <b>2007</b> , 67, 826-31	8.4	82