

# Mehmet Gokhan Caglayan

## List of Publications by Year in descending order

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Version: 2024-02-01

27  
papers

327  
citations

777949

13  
h-index

993246

17  
g-index

27  
all docs

27  
docs citations

27  
times ranked

618  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fluorescent zinc and copper complexes for detection of adrafinil in paper-based microfluidic devices. <i>Chemical Communications</i> , 2016, 52, 8279-8282.	2.2	38
2	Replacement of antibodies with bacteriophages in lateral flow assay of Salmonella Enteritidis. <i>Biosensors and Bioelectronics</i> , 2021, 189, 113383.	5.3	33
3	Paper based lateral flow immunoassay for the enumeration of <i>Escherichia coli</i> in urine. <i>Analytical Methods</i> , 2018, 10, 1213-1218.	1.3	26
4	Fluorescence-Based Assay for Carbonic Anhydrase Inhibitors. <i>CheM</i> , 2017, 2, 271-282.	5.8	24
5	Electrochemical, spectroscopic and molecular docking studies on the interaction of calcium channel blockers with dsDNA. <i>Bioelectrochemistry</i> , 2019, 127, 12-20.	2.4	21
6	Silver Nanoparticle Based Analysis of Aminoglycosides. <i>Spectroscopy Letters</i> , 2014, 47, 771-780.	0.5	18
7	Surface-enhanced Raman probe for rapid nanoextraction and detection of erythropoietin in urine. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 8447-8456.	1.9	17
8	Detection and quantification of ATP in human blood serum. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 7459-7462.	1.5	16
9	Colchicine levels in chronic kidney diseases and kidney transplant recipients using tacrolimus. <i>Clinical Transplantation</i> , 2014, 28, 1177-1183.	0.8	15
10	A metal-enhanced fluorescence study of primary amines: determination of aminoglycosides with europium and gold nanoparticles. <i>Analytical Methods</i> , 2015, 7, 1407-1414.	1.3	15
11	Electrochemical, spectroscopic, and molecular docking studies of the interaction between the anti-retroviral drug indinavir and dsDNA. <i>Journal of Pharmaceutical Analysis</i> , 2020, 10, 473-481.	2.4	14
12	Multivariate Optimization and Validation of a CE method for Simultaneous Analysis of Dorzolamide Hydrochloride and Timolol Maleate in Ophthalmic Solution. <i>Chromatographia</i> , 2011, 73, 541-548.	0.7	13
13	A tri-serine tri-lactone scaffold for the quantification of citrate in urine. <i>Chemical Communications</i> , 2016, 52, 1827-1830.	2.2	13
14	Fabrication of SERS active gold nanorods using benzalkonium chloride, and their application to an immunoassay for potato virus X. <i>Mikrochimica Acta</i> , 2017, 184, 1059-1067.	2.5	13
15	Fluorescence chemosensing of meldonium using a cross-reactive sensor array. <i>Analyst</i> , 2020, 145, 3345-3352.	1.7	12
16	Simultaneous determination and validation of emtricitabine, rilpivirine and tenofovir from biological samples using LC and CE methods. <i>Biomedical Chromatography</i> , 2018, 32, e4158.	0.8	9
17	SERS-based assays for sensitive detection of modafinil. <i>Journal of Raman Spectroscopy</i> , 2015, 46, 802-806.	1.2	6
18	Liquid Chromatographic and Spectrophotometric Determination of Diflucortolone Valerate and Isoconazole Nitrate in Creams. <i>Journal of AOAC INTERNATIONAL</i> , 2011, 94, 128-135.	0.7	5

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19	STABILITY-INDICATING MICELLAR ELEKTROKINETIC CHROMATOGRAPHY METHOD FOR DETERMINATION OF FINASTERIDE IN PHARMACEUTICAL PREPARATIONS. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2013, 36, 781-791.	0.5	5
20	Multivariate Optimization Model in a Partial Least Squares-1 Method for Simultaneous Determination of Dorzolamide Hydrochloride and Timolol Maleate in Eye Drops. <i>Current Pharmaceutical Analysis</i> , 2013, 9, 404-412.	0.3	4
21	Using derivative and ratio spectra derivative: spectrophotometries as new data preprocessing method in partial least squares technique for resolving overlapped spectra of montelukast sodium, desloratadine, and levocetirizine dihydrochloride. <i>Reviews in Analytical Chemistry</i> , 2012, 31, .	1.5	2
22	Multivariate Optimization of Separation Conditions for Simultaneous Determination of Acemetacin and Chlorzoxazone in a Pharmaceutical Preparation by HPLC Using Response Surface Methodology. <i>Journal of AOAC INTERNATIONAL</i> , 2013, 96, 723-729.	0.7	2
23	Recent biopharmaceutical applications of capillary electrophoresis methods on recombinant DNA technology-based products. <i>Electrophoresis</i> , 2022, 43, 1035-1049.	1.3	2
24	Development and validation of spectrophotometric and high-performance column liquid chromatographic methods for the simultaneous determination of dienogest and estradiol valerate in pharmaceutical preparations. <i>Journal of AOAC INTERNATIONAL</i> , 2010, 93, 862-8.	0.7	2
25	Fluorescence detection of ethylmorphine through terbium complex. <i>Spectroscopy Letters</i> , 2020, 53, 523-528.	0.5	1
26	Optical sensing of mercury using fluorescent silver and gold nanoclusters. <i>Hittite Journal of Science &amp; Engineering</i> , 2017, 4, 117-123.	0.2	1
27	Investigation of Pazopanib and Human Serum Albumin Interaction Using Spectroscopic and Molecular Docking Approaches. <i>Analytica Journal of Analytical Chemistry and Chemical Analysis</i> , 2022, 3, 144-160.	0.8	0