

# Birsen A-ztA<sup>1/4</sup>rk

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2863417/publications.pdf>

Version: 2024-02-01

39  
papers

1,703  
citations

394421

19  
h-index

345221

36  
g-index

41  
all docs

41  
docs citations

41  
times ranked

2462  
citing authors

| #  | ARTICLE                                                                                                                                                                                                                        | IF  | CITATIONS |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 1  | Comparative Evaluation of Various Total Antioxidant Capacity Assays Applied to Phenolic Compounds with the CUPRAC Assay. <i>Molecules</i> , 2007, 12, 1496-1547.                                                               | 3.8 | 764       |
| 2  | Modified Folin-Ciocalteu Antioxidant Capacity Assay for Measuring Lipophilic Antioxidants. <i>Journal of Agricultural and Food Chemistry</i> , 2013, 61, 4783-4791.                                                            | 5.2 | 106       |
| 3  | A novel antioxidant assay of ferric reducing capacity measurement using ferrozine as the colour forming complexation reagent. <i>Analytical Methods</i> , 2010, 2, 1770.                                                       | 2.7 | 70        |
| 4  | Determination of total antioxidant capacity by a new spectrophotometric method based on Ce(IV) reducing capacity measurement. <i>Talanta</i> , 2007, 71, 1155-1165.                                                            | 5.5 | 66        |
| 5  | Total Antioxidant Capacity Assay Using Optimized Ferricyanide/Prussian Blue Method. <i>Food Analytical Methods</i> , 2010, 3, 154-168.                                                                                         | 2.6 | 60        |
| 6  | Thermal and optical properties of Tm <sup>3+</sup> doped tellurite glasses. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2001, 57, 273-280.                                                  | 3.9 | 51        |
| 7  | Determination of bismuth and zinc in pharmaceuticals by first derivative UV-Visible spectrophotometry. <i>Analytica Chimica Acta</i> , 2005, 547, 138-143.                                                                     | 5.4 | 47        |
| 8  | Simultaneous derivative spectrophotometric determination of cobalt(II) and nickel(II) by dithizone without extraction. <i>Talanta</i> , 2000, 53, 263-269.                                                                     | 5.5 | 44        |
| 9  | Speciation of Cr(III) and Cr(VI) by Means of Melamine-Urea-Formaldehyde Resin and FAAS. <i>Mikrochimica Acta</i> , 2001, 136, 143-146.                                                                                         | 5.0 | 41        |
| 10 | Adsorptive removal of methylene blue from simulated dyeing wastewater with melamine-formaldehyde-urea resin. <i>Journal of Applied Polymer Science</i> , 2009, 112, 3442-3448.                                                 | 2.6 | 38        |
| 11 | Determination of Total Antioxidant Capacity of Lipophilic and Hydrophilic Antioxidants In the Same Solution by Using Ferric-Ferricyanide Assay. <i>Food Analytical Methods</i> , 2012, 5, 1150-1158.                           | 2.6 | 35        |
| 12 | A novel cerium oxide nanoparticles-based colorimetric sensor using tetramethyl benzidine reagent for antioxidant activity assay. <i>Talanta</i> , 2018, 182, 55-61.                                                            | 5.5 | 35        |
| 13 | Thermal properties and optical transition probabilities of Tm <sup>3+</sup> doped TeO <sub>2</sub> -WO <sub>3</sub> glass. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2001, 57, 2367-2372. | 3.9 | 33        |
| 14 | Separation and preconcentration of iron(II) and iron(III) from natural water on a melamine-formaldehyde resin. <i>Talanta</i> , 1997, 44, 877-884.                                                                             | 5.5 | 30        |
| 15 | Simultaneous spectrophotometric determination of cyanide and thiocyanate after separation on a melamine-formaldehyde resin. <i>Talanta</i> , 2000, 53, 305-315.                                                                | 5.5 | 30        |
| 16 | Determination of Total Antioxidant Capacity by a New Spectrofluorometric Method Based on Ce(IV) Reduction: Ce(III) Fluorescence Probe for CERAC Assay. <i>Journal of Fluorescence</i> , 2011, 21, 2069-2076.                   | 2.5 | 30        |
| 17 | Separation of Cr(III) and Cr(VI) using melamine-formaldehyde resin and determination of both species in water by FAAS. <i>Fresenius' Journal of Analytical Chemistry</i> , 1996, 356, 375-377.                                 | 1.5 | 25        |
| 18 | Modified cerium(IV)-based antioxidant capacity (CERAC) assay with selectivity over citric acid and simple sugars. <i>Journal of Food Composition and Analysis</i> , 2010, 23, 282-288.                                         | 3.9 | 24        |

| #  | ARTICLE                                                                                                                                                                                                                                                        | IF  | CITATIONS |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | Simultaneous determination of chlorophyll a and chlorophyll b by derivative spectrophotometry. <i>Analytical and Bioanalytical Chemistry</i> , 2004, 379, 803-11.                                                                                              | 3.7 | 23        |
| 20 | Energy transfer characteristics of the hydrogen peroxide induced Ce <sup>3+</sup> +Ce <sup>4+</sup> mixture. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2000, 56, 1795-1800.                                               | 3.9 | 18        |
| 21 | Determination of Tetracycline on the Surface of a High- Performance Graphene Modified Screen-Printed Carbon Electrode in Milk and Honey Samples. <i>Current Nanoscience</i> , 2016, 12, 527-533.                                                               | 1.2 | 18        |
| 22 | Determination of Synthetic Food Colorants in Water-Soluble Beverages Individually by HPLC and Totally by Ce(IV)-Oxidative Spectrophotometry. <i>Food Analytical Methods</i> , 2012, 5, 1335-1341.                                                              | 2.6 | 15        |
| 23 | Folin-Ciocalteu spectrophotometric assay of ascorbic acid in pharmaceutical tablets and orange juice with pH adjustment and pre-extraction of lanthanum(III)-flavonoid complexes. <i>Journal of the Science of Food and Agriculture</i> , 2014, 94, 2401-2408. | 3.5 | 14        |
| 24 | Microstructural characterization and crystallization kinetics of (1-x)TeO <sub>2</sub> -xLiCl (x=0.6-0.4 mol) glasses. <i>Journal of the European Ceramic Society</i> , 2001, 21, 177-183.                                                                     | 5.7 | 13        |
| 25 | TOTAL PHENOL CONTENT AND ANTIOXIDANT ACTIVITY OF MOSSES FROM YENICE FOREST (IDA MOUNTAIN). <i>Journal of Scientific Perspectives</i> , 2017, 1, 1-12.                                                                                                          | 0.2 | 13        |
| 26 | Effect of Oven and Microwave Heating on the Total Antioxidant Capacity of Dietary Onions Grown in Turkey. <i>International Journal of Food Properties</i> , 2013, 16, 536-548.                                                                                 | 3.0 | 9         |
| 27 | Solid-phase extraction of Cr(VI) with magnetic melamine-formaldehyde resins, followed by its colorimetric sensing using gold nanoparticles modified with p-amino hippuric acid. <i>Microchemical Journal</i> , 2021, 164, 105962.                              | 4.5 | 9         |
| 28 | Preconcentration of Cr(VI) ion on melamine formaldehyde resin. <i>Fresenius' Journal of Analytical Chemistry</i> , 1992, 343, 357-359.                                                                                                                         | 1.5 | 7         |
| 29 | Title is missing!. <i>Water, Air, and Soil Pollution</i> , 2002, 133, 265-282.                                                                                                                                                                                 | 2.4 | 7         |
| 30 | Spectrofluorometric Determination of Hydrogen Peroxide. <i>Journal of Fluorescence</i> , 1998, 8, 185-189.                                                                                                                                                     | 2.5 | 6         |
| 31 | Nanoceria-based reactive species scavenging activity of antioxidants using N,N'-dimethyl-p-phenylenediamine (DMPD) probe. <i>Analytical Methods</i> , 2019, 11, 1908-1915.                                                                                     | 2.7 | 6         |
| 32 | Indirect spectrophotometric determination of hydrogen peroxide. <i>Fresenius' Journal of Analytical Chemistry</i> , 1993, 347-347, 460-461.                                                                                                                    | 1.5 | 5         |
| 33 | Preconcentration of copper ion in aqueous phase on methacrylate polymers. <i>Journal of Applied Polymer Science</i> , 1996, 62, 613-616.                                                                                                                       | 2.6 | 5         |
| 34 | Effect of composition on the thermal properties and spontaneous emission probabilities of Tm <sup>3+</sup> -doped TeO <sub>2</sub> -LiCl glass. <i>Journal of Materials Research</i> , 2001, 16, 1381-1388.                                                    | 2.6 | 3         |
| 35 | Determination of Synthetic Food Colorants in Powder Beverage Samples by On-line HPLC-Cupric Reducing Antioxidant Capacity (CUPRAC) Assay with Post-Column Detection. <i>Chromatographia</i> , 2016, 79, 199-208.                                               | 1.3 | 2         |
| 36 | Preconcentration of copper ion in aqueous phase on methacrylate polymers. <i>Journal of Applied Polymer Science</i> , 1996, 62, 613-616.                                                                                                                       | 2.6 | 1         |

| #  | ARTICLE                                                                                                                                                                                            | IF  | CITATIONS |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 37 | Indirect Spectrophotometric Determination of Microamounts of Thiosulfate.. Analytical Sciences, 1992, 8, 225-227.                                                                                  | 1.6 | 0         |
| 38 | Solid-Phase Extraction Spectrophotometric Determination of Total Antioxidant Capacity in Antioxidant-poor Samples by Using the Ferric-Ferrozine Method. Analytical Sciences, 2017, 33, 683-689.    | 1.6 | 0         |
| 39 | Humic Acid/Quercetin Coated Magnetic Fe <sub>3</sub> O <sub>4</sub> Nanoparticles For Adsorptive Removal of Cu <sup>2+</sup> and Ni <sup>2+</sup> . Cumhuriyet Science Journal, 2019, 40, 406-413. | 0.3 | 0         |