

Ibrahim Isildak

List of Publications by Year in descending order

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Version: 2024-02-01

76
papers

1,350
citations

361413

20
h-index

395702

33
g-index

77
all docs

77
docs citations

77
times ranked

1442
citing authors

#	ARTICLE	IF	CITATIONS
1	Determination of major phenolic compounds in water by reversed-phase liquid chromatography after pre-column derivatization with benzoyl chloride. <i>Journal of Chromatography A</i> , 2003, 988, 145-149.	3.7	132
2	Green synthesis of silver nanoparticles using <i>Thymra spicata</i> L. var. <i>spicata</i> (zahter) aqueous leaf extract and evaluation of their morphology-dependent antibacterial and cytotoxic activity. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018, 46, 150-158.	2.8	75
3	Simultaneous detection of monovalent anions and cations using all solid-state contact PVC membrane anion and cation-selective electrodes as detectors in single column ion chromatography. <i>Talanta</i> , 1999, 48, 967-978.	5.5	62
4	Glucose and urea biosensors based on all solid-state PVC-NH ₂ membrane electrodes. <i>Analytica Chimica Acta</i> , 2002, 452, 29-34.	5.4	56
5	Facile microwave-mediated green synthesis of non-toxic copper nanoparticles using <i>Citrus sinensis</i> aqueous fruit extract and their antibacterial potentials. <i>Journal of Drug Delivery Science and Technology</i> , 2021, 61, 102172.	3.0	53
6	The Implication of Reactive Oxygen Species and Antioxidants in Knee Osteoarthritis. <i>Antioxidants</i> , 2021, 10, 985.	5.1	52
7	Electrochemical Determination of Copper(II) in Water Samples Using a Novel Ion-Selective Electrode Based on a Graphite Oxide-Imprinted Polymer Composite. <i>Analytical Letters</i> , 2018, 51, 1890-1910.	1.8	51
8	Recent progress in nanomaterial-based electrochemical biosensors for pathogenic bacteria. <i>Mikrochimica Acta</i> , 2019, 186, 820.	5.0	46
9	Microwave-Assisted Green Synthesis of Non-Cytotoxic Silver Nanoparticles Using the Aqueous Extract of <i>Rosa santana</i> (rose) Petals and Their Antimicrobial Activity. <i>Analytical Letters</i> , 2019, 52, 1860-1873.	1.8	43
10	Eighteen Months Follow-Up with Patient-Centered Outcomes Assessment of Complete Dentures Manufactured Using a Hybrid Nanocomposite and Additive CAD/CAM Protocol. <i>Journal of Clinical Medicine</i> , 2020, 9, 324.	2.4	40
11	Electrochemiluminescence methods using CdS quantum dots in aptamer-based thrombin biosensors: a comparative study. <i>Mikrochimica Acta</i> , 2020, 187, 25.	5.0	39
12	A highly sensitive electrochemiluminescence cytosensor for detection of SKBR-3 cells as metastatic breast cancer cell line: A constructive phase in early and precise diagnosis. <i>Biosensors and Bioelectronics</i> , 2021, 178, 113023.	10.1	37
13	Control of Nanostructured Polysulfone Membrane Preparation by Phase Inversion Method. <i>Nanomaterials</i> , 2020, 10, 2349.	4.1	31
14	Potentiometric urea biosensors. <i>Clinica Chimica Acta</i> , 2022, 524, 154-163.	1.1	29
15	Measuring calcium, potassium, and nitrate in plant nutrient solutions using ion-selective electrodes in hydroponic greenhouse of some vegetables. <i>Biotechnology and Applied Biochemistry</i> , 2015, 62, 663-668.	3.1	28
16	A potentiometric biosensor for the determination of valproic acid: Human blood-based study of an anti-epileptic drug. <i>Biochemical Engineering Journal</i> , 2021, 176, 108181.	3.6	27
17	All-Solid-State PVC Membrane Ag ⁺ -Selective Electrodes Based on Diaza-18-Crown-6 Compounds. <i>Mikrochimica Acta</i> , 2004, 144, 177-181.	5.0	26
18	Ion-selective electrode potentiometric detection in ion-chromatography. <i>Electroanalysis</i> , 1993, 5, 815-824.	2.9	25

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19	Flow-Injection Spectrophotometric Determination of Copper(II) Ion at Low . $\mu\text{g L}^{-1}$ Levels Using 4-Benzylpiperidinedithiocarbamate.. Analytical Sciences, 2001, 17, 1125-1127.	1.6	25
20	A novel conductometric creatinine biosensor based on solid-state contact ammonium sensitive PVC Ca^{NH_2} membrane. Biochemical Engineering Journal, 2012, 62, 34-38.	3.6	24
21	Potentiometric detection of monovalent anions separated by ion chromatography using all solid-state contact PVC matrix membrane electrode. Chromatographia, 1999, 49, 338-342.	1.3	22
22	Non-Resorbable Nanocomposite Membranes for Guided Bone Regeneration Based On Polysulfone-Quartz Fiber Grafted with Nano-TiO ₂ . Nanomaterials, 2019, 9, 985.	4.1	21
23	Multiplex bioassaying of cancer proteins and biomacromolecules: Nanotechnological, structural and technical perspectives. International Journal of Biological Macromolecules, 2020, 165, 3020-3039.	7.5	20
24	Spectrophotometric determination of copper(II) at low $\frac{1}{4}\text{g l}^{-1}$ levels using cation-exchange microcolumn in flow-injection. Talanta, 1999, 48, 219-224.	5.5	18
25	Flow-injection spectrophotometric determination of cobalt(II) at low $\frac{1}{4}\text{g l}^{-1}$ levels with 4-benzylpiperidinedithiocarbamate. Analytica Chimica Acta, 2001, 434, 143-147.	5.4	18
26	Flow-injection potentiometric applications of solid state Li ⁺ selective electrode in biological and pharmaceutical samples. Journal of Solid State Electrochemistry, 2010, 14, 2241-2249.	2.5	17
27	New sensor based on membranes with magnetic nano-inclusions for early diagnosis in periodontal disease. Biosensors and Bioelectronics, 2018, 102, 336-344.	10.1	17
28	Exopolysaccharides from $\hat{\text{A}}$ microalgae: production, characterization, optimization and techno-economic assessment. Brazilian Journal of Microbiology, 2021, 52, 1779-1790.	2.0	17
29	A simple and selective flow-injection spectrophotometric determination of copper(II) by using acetylsalicylhydroxamic acid. Talanta, 2003, 60, 861-866.	5.5	16
30	Application of a New pH-Sensitive Electrode as a Detector in Flow Injection Potentiometry. Electroanalysis, 2005, 17, 1085-1090.	2.9	16
31	Flow injection spectrophotometric determination of iron(III) using diphenylamine-4-sulfonic acid sodium salt. Chemical Papers, 2008, 62, .	2.2	16
32	Microwave-irradiated green synthesis of metallic silver and copper nanoparticles using fresh ginger (<i>Zingiber officinale</i>) rhizome extract and evaluation of their antibacterial potentials and cytotoxicity. Inorganic and Nano-Metal Chemistry, 2021, 51, 722-732.	1.6	16
33	Effect of immediate and delayed post space preparation on the apical seal of root canals obturated with different sealers and techniques. Journal of Applied Oral Science, 2009, 17, 605-610.	1.8	14
34	Investigation of ischemia modified albumin, oxidant and antioxidant markers in acute myocardial infarction. Postepy W Kardiologii Interwencyjnej, 2015, 4, 298-303.	0.2	14
35	A Novel all Solid-State Contact PVC-Membrane Beryllium-Selective Electrode Based on 4-Hydroxybenzo-15-Crown-5 Ether Ionophore. Current Analytical Chemistry, 2018, 14, .	1.2	14
36	Preliminary Studies on Citotoxicity and Genotoxicity Assessment of the PMMA-TiO ₂ Nanocompozites for Stereolithographic Complete Dentures Manufacturing. Revista De Chimie (discontinued), 2018, 69, 1160-1165.	0.4	13

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37	Added value recyclability of glass fiber waste as photo-oxidation catalyst for toxic cytostatic micropollutants. <i>Scientific Reports</i> , 2020, 10, 136.	3.3	12
38	Spectrophotometric flow-injection analysis of mercury(II) in pharmaceuticals with p-nitrobenzoxosulfamate. <i>Talanta</i> , 2003, 60, 191-197.	5.5	11
39	A simple flow injection spectrophotometric determination method for iron(III) based on O-acetylsalicylhydroxamic acid complexation. <i>Chemical Papers</i> , 2009, 63, .	2.2	10
40	An All Solid-State Creatinine Biosensor Based on Ammonium-Selective PVC-NH ₂ Membrane Electrode. <i>Sensor Letters</i> , 2013, 11, 585-590.	0.4	10
41	Flow-Injection Spectrophotometric Determination of Nanogram Levels of Iron(III) with N,N-Dimethylformamide. <i>Analytical Sciences</i> , 2003, 19, 1033-1036.	1.6	9
42	Rapid green synthesis of non-cytotoxic silver nanoparticles using aqueous extracts of 'Golden Delicious' apple pulp and cumin seeds with antibacterial and antioxidant activity. <i>SN Applied Sciences</i> , 2021, 3, 1.	2.9	9
43	A Rapid HPLC Determination of C 2 -C 7 Aliphatic Diamines by Precolumn Derivatization with Acetylacetone in Methanol-Water. <i>Mikrochimica Acta</i> , 1999, 132, 13-16.	5.0	8
44	Spectrofluorometric determination of mercury (II) with murexide. <i>Journal of Chemical Crystallography</i> , 2003, 33, 599-603.	1.1	8
45	Levels of platelet activating factor in gingival crevice fluid following periodontal surgical therapy. <i>Journal of Periodontal Research</i> , 2006, 41, 513-518.	2.7	8
46	Flow injection spectrofluorimetric determination of iron(III) in water using salicylic acid. <i>Chemical Papers</i> , 2010, 64, .	2.2	8
47	Simultaneous Analysis of Monovalent Anions and Cations with a Sub-Microliter Dead-Volume Flow-Through Potentiometric Detector for Ion Chromatography. <i>Journal of Chromatographic Science</i> , 2016, 54, 598-603.	1.4	8
48	A Simple Flow-injection Spectrofluorimetric Method for the Determination of Mercury. <i>Journal of Fluorescence</i> , 2007, 17, 401-405.	2.5	7
49	A very sensitive flow-injection spectrophotometric determination method for iron (II) and total iron using 2-ethyl-3, 4-dihydroxy-5, 7-pentahydroxyflavone. <i>Environmental Monitoring and Assessment</i> , 2013, 185, 2115-2121.	2.7	7
50	Internet of Things Implementation of Nitrate and Ammonium Sensors for Online Water Monitoring. <i>Analytical Sciences</i> , 2021, 37, 971-976.	1.6	7
51	Levels of gingival tissue platelet activating factor after conventional and regenerative periodontal surgery. <i>Clinical Oral Investigations</i> , 2007, 11, 369-376.	3.0	6
52	Synthesis of glucose oxidase-PEG aldehyde conjugates and improvement of enzymatic stability. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018, 46, 788-794.	2.8	6
53	Simultaneous SIA analysis of pH and total acidity measurements in milk. <i>Journal of Food Measurement and Characterization</i> , 2018, 12, 403-411.	3.2	6
54	Mikroalga H ₂ zland ₂ mal ₂ Y ₂ ntemi ₂ le Limon Kabuk Ekstraksiyonu Kullanarak Non-toksik G ₂ ¼m ₂ ¼ ₂ Nanopartik ₂ ¼allerin Sentezlenmesi. <i>Kahramanmara₂ S₂¼t₂Å₂¼₂ Å₂mam ₂eniversitesi Tar₂¼m Ve Do₂¼₂ Dergisi</i> , 2021, 24 ₂ 1-10.		

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55	Novel creatine biosensors based on all solid-state contact ammonium-selective membrane electrodes. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2013, 41, 131-136.	2.8	4
56	Hg(II) Ion-Selective Electrodes with PVC Membranes Based on Bis-1,5-dimethyl-2-phenyl-1,2-dihydro-3H-pyrazol-3-one. <i>Bulletin of the Chemical Society of Japan</i> , 2022, 95, 353-358.	3.2	4
57	Effects of Preoperative Conventional and Hyperfractionated Radiotherapy on the Healing of Rat Colonic Anastomoses. <i>Onkologie</i> , 2009, 32, 326-330.	0.8	3
58	Trace analysis of amines in cheese serum with liquid chromatographic potentiometric detection by using amine-selective electrode. <i>Arabian Journal of Chemistry</i> , 2019, 12, 4533-4540.	4.9	3
59	Novel Micro Flow Injection Analysis System for the Potentiometric Determination of Tetraborate Ions in Environmental Samples. <i>Analytical Letters</i> , 2021, 54, 854-866.	1.8	3
60	Fe ³⁺ - Ion Selective Electrode Developed as a Detector in Flow Injection Analysis. <i>Current Analytical Chemistry</i> , 2015, 11, 104-108.	1.2	3
61	A New Fe (III)-Selective Membrane Electrode Based on Fe (II) Phthalocyanine. <i>Journal of Electrochemical Science and Technology</i> , 2019, 10, 321-328.	2.2	3
62	Development of Potentiometric Lactate Biosensor Based on Composite pH Sensor. <i>Journal of New Materials for Electrochemical Systems</i> , 2016, 19, 151-156.	0.6	2
63	Coated copper Wire Calcium Selective Microelectrode for Applications in Dental Medicine. <i>Revista De Chimie (discontinued)</i> , 2018, 69, 3213-3217.	0.4	2
64	MICROWAVE IRRADIATION SYSTEM FOR A RAPID SYNTHESIS OF NON-TOXIC METALLIC COPPER NANOPARTICLES FROM GREEN TEA. <i>Trakya University Journal of Natural Sciences</i> , 0, , .	0.4	2
65	Development and comparison of various rod-shaped mini-reference electrode compositions based on Ag/AgCl for potentiometric applications. <i>Analyst, The</i> , 2022, 147, 516-526.	3.5	2
66	Bioactive Hybrid Material with Applications in Dental Medicine. , 2019, , .		1
67	A New Type of Fe ₂ O ₃ Based Silicone Composite pH Electrode and Potentiometric Applications. <i>Sensor Letters</i> , 2015, 13, 393-397.	0.4	1
68	In-silico Pharmacokinetic and Affinity Studies of Piperazine/Morpholine Substituted Quinolines in complex with GAK as promising anti-HCV agent. <i>Journal of Computational Biophysics and Chemistry</i> , 0, , .	1.7	1
69	Monitoring microalgal growth of <i>Chlorella minutissima</i> with a new all solid-state contact nitrate selective sensor. <i>Biotechnology Progress</i> , 2022, 38, e3247.	2.6	1
70	Flow-Injection Spectrophotometric Analysis of Iron (II), Iron (III) and Total Iron. , 2012, , .		0
71	pH and antioxidant measurements in rats with testicular torsion and their correlation with viability. <i>Journal of Pediatric Surgery</i> , 2016, 51, 1716-1720.	1.6	0
72	On latest application developments for dental 3D printing. , 2017, , .		0

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73	Assessment of the Dynamic Parameters of an Ion-Selective Microsensor. Proceedings (mdpi), 2020, 55, .	0.2	0
74	İyon-Selektif Sensörler Kullanılarak Bazı Sebzelerin Toprakta Bitki Yetiştirme Ortamlarındaki Nitrat, Potasyum ve Kalsiyum Tayini. Türkiye Tarımsal Araştırmalar Dergisi, 0, , 65-65.	0.8	0
75	Considerations on the Controlled Delivery of Bioactive Compounds through Hyaluronic Acid Membrane. Membranes, 2022, 12, 303.	3.0	0
76	Plant extract mediated silver nanoparticles by concentrated sunlight and their antibacterial and cytotoxic activities. Inorganic and Nano-Metal Chemistry, 0, , 1-9.	1.6	0