Fatma Bedia Erim

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.

105 papers	2,743 citations	28 h-index	48 g-index
109 ext. papers	3,128 ext. citations	4.2 avg, IF	5.69 L-index

#	Paper	IF	Citations
105	Green synthesis of cerium oxide nanoparticles from turmeric and kinds of honey: characterisations, antioxidant and photocatalytic dye degradation activities. *Advances in Natural Sciences: Nanoscience and Nanotechnology*, **2022**, 13, 015016	1.6	1
104	Effective photocatalytic degradation of malachite green dye by Fe(III)-Cross-linked Alginate-Carboxymethyl cellulose composites. *Journal of Photochemistry and Photobiology A: Chemistry*, **2022**, 428, 113867	4.7	2
103	Capillary Electrophoresis: Basic Principles. *Current and Future Developments in Food Science*, **2022**, 1-31	1	
102	Electric-field induced phase transitions in capillary electrophoretic systems. *Physics of Fluids*, **2021**, 33, 107114	4.4	0
101	Preparation and characterization of antibacterial nano cerium oxide/chitosan/hydroxyethylcellulose/polyethylene glycol composite films. *International Journal of Biological Macromolecules*, **2021**, 177, 351-359	7.9	11
100	Khellin and visnagin in different organs of and. *Natural Product Research*, **2021**, 1-3	2.3	
99	Antibacterial nano cerium oxide/chitosan/cellulose acetate composite films as potential wound dressing. *European Polymer Journal*, **2020**, 133, 109777	5.2	34
98	Biopolymer-assisted green synthesis of functional cerium oxide nanoparticles. *Chemical Papers*, **2020**, 74, 2357-2363	1.9	8
97	Nitrate and Nitrites in Foods: Worldwide Regional Distribution in View of Their Risks and Benefits. *Journal of Agricultural and Food Chemistry*, **2019**, 67, 7205-7222	5.7	42
96	Electrochemical oxidation of curcuminoids: an experimental and computationalinvestigation. *Turkish Journal of Chemistry*, **2019**, 43, 834-845	1	1
95	Surfactant modified alginate composite gels for controlled release of protein drug. *Carbohydrate Polymers*, **2019**, 224, 115165	10.3	17
94	Rosmarinic and carnosic acid contents and correlated antioxidant and antidiabetic activities of 14 Salvia species from Anatolia. *Journal of Pharmaceutical and Biomedical Analysis*, **2019**, 175, 112763	3.5	21
93	Barium ion cross-linked alginate-carboxymethyl cellulose composites for controlled release of anticancer drug methotrexate. *Journal of Drug Delivery Science and Technology*, **2019**, 54, 101324	4.5	13
92	Development of Anti-Aging and Anticorrosive Nanoceria Dispersed Alkyd Coating for Decorative and Industrial Purposes. *Coatings*, **2019**, 9, 610	2.9	3
91	Evaluation of some Turkish Salvia species by principal component analysis based on their vitamin B2, mineral composition, and antioxidant properties. *LWT - Food Science and Technology*, **2019**, 100, 287-293	5.4	8
90	□Glucosidase enzyme inhibitory effects and ursolic and oleanolic acid contents of fourteen Anatolian Salvia species. *Journal of Pharmaceutical and Biomedical Analysis*, **2018**, 155, 284-287	3.5	15
89	Graphene Oxide/Alginate Quasi-Cryogels for Removal of Methylene Blue. *Water, Air, and Soil Pollution*, **2018**, 229, 1	2.6	17

88	Adsorptive removal kinetics of anionic dye onto chitosan films doped with graphene oxide: An in situ fluorescence monitoring. *Chemical Engineering Communications*, **2018**, 205, 881-887	2.2	7
87	Aqueous Removal of Sodium Dodecyl Benzene Sulfonate (SDBS) by Crosslinked Chitosan Films. *Journal of Polymers and the Environment*, **2018**, 26, 2166-2172	4.5	10
86	A Direct and Sensitive Analysis Method for Biogenic Amines in Dairy Products by Capillary Electrophoresis Coupled with Contactless Conductivity Detection. *Food Analytical Methods*, **2018**, 11, 1374-1379	3.4	23
85	Determination of Vitamin B2 Content in Black, Green, Sage, and Rosemary Tea Infusions by Capillary Electrophoresis with Laser-Induced Fluorescence Detection. *Beverages*, **2018**, 4, 86	3.4	3
84	Antimicrobial and physical properties of chitosan films incorporated with turmeric extract. *International Journal of Biological Macromolecules*, **2017**, 101, 882-888	7.9	140
83	Comparison of antioxidant, anticholinesterase, and antidiabetic activities of three curcuminoids isolated from Curcuma longa L. *Natural Product Research*, **2017**, 31, 2914-2917	2.3	34
82	Effect of anionic surfactant on alginate-chitosan polyelectrolyte multilayer thickness. *Journal of Polymer Science, Part B: Polymer Physics*, **2017**, 55, 1798-1803	2.6	3
81	Antimicrobial cerium ion-chitosan crosslinked alginate biopolymer films: A novel and potential wound dressing. *International Journal of Biological Macromolecules*, **2017**, 105, 1161-1165	7.9	54
80	Characterization of Turkish honeybee pollens by principal component analysis based on their individual organic acids, sugars, minerals, and antioxidant activities. *LWT - Food Science and Technology*, **2017**, 84, 402-408	5.4	51
79	Total phenolic contents, antioxidant activities, and bioactive ingredients of juices from pomegranate cultivars worldwide. *Food Chemistry*, **2017**, 221, 496-507	8.5	107
78	Microstructural and optical properties of SiO2 glasses doped with ZnSe quantum dots and Nd3+ ions. *Physica B: Condensed Matter*, **2017**, 509, 41-45	2.8	3
77	Simultaneous Determination of Nitrate and Nitrite in Fish Products with Improved Sensitivity by Sample Stacking-Capillary Electrophoresis. *Food Analytical Methods*, **2016**, 9, 706-711	3.4	31
76	Methylene blue removal by alginate–clay quasi-cryogel beads. *Reactive and Functional Polymers*, **2016**, 106, 1-7	4.6	60
75	Surfactant and metal ion effects on the mechanical properties of alginate hydrogels. *International Journal of Biological Macromolecules*, **2016**, 92, 220-224	7.9	35
74	Characterization of Anatolian honeys based on minerals, bioactive components and principal component analysis. *LWT - Food Science and Technology*, **2016**, 68, 273-279	5.4	65
73	Analysis of Vitamin B2 in Saffron Stigmas (Crocus sativus L) by Capillary Electrophoresis Coupled with Laser-Induced Fluorescence Detector. *Food Analytical Methods*, **2016**, 9, 2395-2399	3.4	13
72	Removal of Fluoride from Aqueous Solution Using Aluminum Alginate Beads. *Clean - Soil, Air, Water* , **2015**, 43, 724-730	1.6	26
71	The sensitive capillary electrophoretic-LIF method for simultaneous determination of curcuminoids in turmeric by enhancing fluorescence intensities of molecules upon inclusion into (2-hydroxypropyl)-β-cyclodextrin. *Electrophoresis*, **2015**, 36, 2516-21	3.6	14

70	Aluminum Alginate–Montmorillonite Composite Beads for Defluoridation of Water. *Water, Air, and Soil Pollution*, **2015**, 226, 1	2.6	18
69	Natural alginate biopolymer montmorillonite clay composites for vitamin B2 delivery. *Journal of Bioactive and Compatible Polymers*, **2015**, 30, 48-56	2	29
68	Effect of Calcium Ion Concentration on Small Molecule Desorption from Alginate Beads. *Journal of Macromolecular Science - Physics*, **2014**, 53, 1157-1167	1.4	6
67	Removal of hexavalent chromium from aqueous solution by barium ion cross-linked alginate beads. *International Journal of Environmental Science and Technology*, **2014**, 11, 1861-1868	3.3	16
66	Biopolymer-assisted synthesis of yttrium oxide nanoparticles. *Particuology*, **2014**, 14, 19-23	2.8	18
65	Gelation of PAAm-PVP composites: A fluorescence study. *International Journal of Modern Physics B*, **2014**, 28, 1450122	1.1	2
64	Enhancement of native fluorescence intensity of berberine by (2-hydroxypropyl)-β-cyclodextrin in capillary electrophoresis coupled by laser-induced fluorescence detection: application to quality control of medicinal plants. *Journal of Chromatography A*, **2014**, 1338, 184-7	4.5	20
63	Cation effect on slow release from alginate beads: a fluorescence study. *Journal of Fluorescence*, **2014**, 24, 161-7	2.4	13
62	Determination of amino acids in pomegranate juices and fingerprint for adulteration with apple juices. *Food Chemistry*, **2013**, 141, 1187-91	8.5	44
61	Alginate/BSA/montmorillonite composites with enhanced protein entrapment and controlled release efficiency. *Reactive and Functional Polymers*, **2013**, 73, 1420-1425	4.6	70
60	Determination of Critical Aggregation Concentration in the Poly-(vinylpyrrolidone)–Sodium Dodecyl Sulfate System by Capillary Electrophoresis. *Journal of Surfactants and Detergents*, **2013**, 16, 363-367	1.9	20
59	Recent analytical approaches to the analysis of biogenic amines in food samples. *TrAC - Trends in Analytical Chemistry*, **2013**, 52, 239-247	14.6	139
58	Biogenic Amines in Wines and Pomegranate Molasses: A Non-Ionic Micellar Electrokinetic Chromatography Assay with Laser-Induced Fluorescence Detection. *Food Analytical Methods*, **2012**, 5, 104-108	3.4	24
57	Biocomposite films based on alginate and organically modified clay. *International Journal of Biological Macromolecules*, **2012**, 50, 1165-8	7.9	36
56	Monitoring the gelation of polyacrylamide–sodium alginate composite by fluorescence technique. *Phase Transitions*, **2012**, 85, 530-541	1.3	17
55	Determination of NTBC in serum samples from patients with hereditary tyrosinemia type I by capillary electrophoresis. *Talanta*, **2010**, 80, 1846-8	6.2	10
54	Comparative study of chemical and biochemical properties of different melon cultivars: standard, hybrid, and grafted melons. *Journal of Agricultural and Food Chemistry*, **2010**, 58, 9764-9	5.7	36
53	Non-ionic micellar electrokinetic chromatography with laser-induced fluorescence: a new method tested with biogenic amines in brined and dry-salted fish. *Electrophoresis*, **2010**, 31, 2174-9	3.6	20

52	Raman characterizations and structural properties of the binary TeO2?WO3, TeO2?CdF2 and ternary TeO2?CdF2?WO3 glasses. *Journal of Raman Spectroscopy*, **2010**, 41, 797-807	2.3	18
51	Isolation and analysis of bioactive diterpenoids in Salvia species (Salvia chionantha and Salvia kronenburgiii) by micellar electrokinetic capillary chromatography. *Journal of Pharmaceutical and Biomedical Analysis*, **2010**, 51, 439-42	3.5	23
50	Glass transition and crystallization of 0.8TeO2 + 0.2CdF2 glass. *Journal of the European Ceramic Society*, **2009**, 29, 329-335	6	11
49	Antioxidant activity and total phenolic, organic acid and sugar content in commercial pomegranate juices. *Food Chemistry*, **2009**, 115, 873-877	8.5	240
48	Stacking in CE for Analysis of Bromate Flour Additive. *Chromatographia*, **2009**, 70, 987-990	2.1	5
47	On-line stacking techniques for the nonaqueous capillary electrophoretic determination of acrylamide in processed food. *Analytica Chimica Acta*, **2008**, 617, 196-9	6.6	38
46	NACE for the analysis of acrylamide in food. *Electrophoresis*, **2007**, 28, 4108-13	3.6	24
45	Determination of carnosic acid and rosmarinic acid in sage by capillary electrophoresis. *Food Chemistry*, **2007**, 101, 1748-1752	8.5	67
44	Determination of alginate copolymer in pharmaceutical formulations by micellar electrokinetic chromatography. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, **2007**, 850, 488-92	3.2	10
43	Analysis of anthraquinones in Rumex crispus by micellar electrokinetic chromatography. *Talanta*, **2007**, 71, 747-50	6.2	15
42	Effect of cetyltrimethylammonium bromide on the migration of polyaromatic hydrocarbons in capillary electrokinetic chromatography. *Talanta*, **2006**, 69, 596-600	6.2	4
41	Effect of cationic surfactant adsorption on the rheological and surface properties of bentonite dispersions. *Journal of Colloid and Interface Science*, **2006**, 303, 137-41	9.3	21
40	CE Determination of Carbohydrates Using a Dipeptide as Separation Electrolyte. *Chromatographia*, **2006**, 64, 321-324	2.1	13
39	Determination of cationic surfactants as the preservatives in an oral solution and a cosmetic product by capillary electrophoresis. *Journal of Pharmaceutical and Biomedical Analysis*, **2005**, 37, 1121-4	3.5	19
38	Determination of urinary succinylacetone by capillary electrophoresis for the diagnosis of tyrosinemia type I. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, **2005**, 818, 309-11	3.2	6
37	Effects of polyethyleneimine adsorption on the rheological properties of purified bentonite suspensions. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2005**, 252, 95-98	5.1	48
36	Effects of polyethyleneimine adsorption on rheology of bentonite suspensions. *Bulletin of Materials Science*, **2005**, 28, 287-291	1.7	16
35	CAPILLARY ELECTROKINETIC SEPARATION OF POLYCYCLIC AROMATIC HYDROCARBONS USING CETYLPYRIDINIUM BROMIDE. *Polycyclic Aromatic Compounds*, **2004**, 24, 343-352	1.3	5

34	Effect of sodium dodecyl sulfate and sodium dodecyl benzene sulfonate on the flow behavior of purified bentonite dispersion. *Journal of Materials Science Letters*, **2003**, 22, 89-90		8
33	Direct determination of bromide ions in seawater by capillary zone electrophoresis using polyethyleneimine-coated capillaries. *Analytical and Bioanalytical Chemistry*, **2003**, 377, 1207-11	4.4	7
32	Separation of positional isomers of aromatic anions by capillary electrophoresis using quaternized porphyrazine ion in aqueous solution. *Journal of Separation Science*, **2002**, 25, 514-518	3.4	4
31	Simultaneous determination of nitrite and nitrate in meat products and vegetables by capillary electrophoresis. *Food Chemistry*, **2002**, 76, 103-106	8.5	112
30	Separation of polycyclic aromatic hydrocarbons with sodium dodecylbenzenesulfonate in electrokinetic chromatography. *Journal of Chromatography A*, **2002**, 949, 301-5	4.5	21
29	Determination of khellin and visnagin in Ammi visnaga fruits by capillary electrophoresis. *Journal of Chromatography A*, **2002**, 954, 291-4	4.5	22
28	Adsorption of polyethyleneimine from aqueous solutions on bentonite clays. *Materials Letters*, **2002**, 55, 73-76	3.3	55
27	Effect of the adsorption of cetylpyridinium bromide on the flow behaviour of bentonite dispersions. *Materials Letters*, **2002**, 57, 684-688	3.3	19
26	Separation and direct UV detection of lanthanides complexed with pyridine-2-carboxylic acid by capillary electrophoresis. *Journal of Chromatography A*, **2001**, 924, 541-6	4.5	24
25	Separation and direct UV detection of lanthanides complexed with cupferron by capillary electrophoresis. *Journal of Chromatography A*, **2000**, 895, 263-8	4.5	28
24	Polyethyleneimine-coated capillary electrophoresis capillaries for the analysis of organic acids with an application to beverages. *Journal of Separation Science*, **1999**, 11, 541-543		16
23	Formation of Phenoxyacetate Complexes of Rare Earth Metal Cations. *Microchemical Journal*, **1998**, 60, 18-25	4.8	1
22	The Use of Cationic Polymer for the Separation of Inorganic Anions by Capillary Electrophoresis. *Journal of High Resolution Chromatography*, **1998**, 21, 505-508		28
21	Preconcentration of phenols by adsorption on organo-clay followed by capillary electrophoretic determination. *Freseniusr Journal of Analytical Chemistry*, **1998**, 361, 455-458		4
20	Determination of metal ions by capillary electrophoresis using pre-column complexation with 1,10-phenanthroline. *Freseniusr Journal of Analytical Chemistry*, **1998**, 362, 418-421		9
19	Vacancy affinity capillary electrophoresis to study competitive protein-drug binding. *Biomedical Applications*, **1998**, 710, 205-10		36
18	Formation of Phenolate Complexes of Some First-Row Transition Metal Cations. *Microchemical Journal*, **1997**, 56, 216-220	4.8	2
17	Separation of Phenols by Capillary Electrophoresis in a Polyethyleneimine-Coated Capillary. *Microchemical Journal*, **1997**, 57, 283-287	4.8	7

16	Effect of cationic polymer on the separation of phenols by capillary electrophoresis. *Journal of Chromatography A*, **1997**, 768, 161-167	4.5	26
15	Cyproheptadine treatment in Cushing's disease. *Journal of Endocrinological Investigation*, **1996**, 19, 242-7	5.2	19
14	Preconcentration of cadmium ion in aqueous phase on poly(methyl methacrylate), polymethacrylonitrile, and their copolymers. *Journal of Applied Polymer Science*, **1996**, 61, 715-717	2.9	1
13	Stability Constants of Complexes of Thorium (IV) with Phenolate Ions. *Microchemical Journal*, **1996**, 53, 164-167	4.8	2
12	Selectivity change in the separation of proteins and peptides by capillary electrophoresis using high-molecular-mass polyethyleneimine. *Biomedical Applications*, **1996**, 681, 21-7		47
11	Application of micellar electrokinetic chromatography and indirect UV detection for the analysis of fatty acids. *Journal of Chromatography A*, **1995**, 694, 471-479	4.5	55
10	Performance of a physically adsorbed high-molecular-mass polyethyleneimine layer as coating for the separation of basic proteins and peptides by capillary electrophoresis. *Journal of Chromatography A*, **1995**, 708, 356-361	4.5	140
9	The thermodynamics of benzoate complexes of copper(II) and iron(III) in aqueous solution. *Thermochimica Acta*, **1994**, 247, 407-413	2.9	2
8	Applicability of capillary zone electrophoresis to study metal complexation in solution. *Analytica Chimica Acta*, **1994**, 294, 155-163	6.6	24
7	Thermodynamics of benzoate complexes of cobalt(II), nickel(II) and manganese(II) in aqueous solution. *Thermochimica Acta*, **1991**, 186, 145-151	2.9	9
6	A spectrophotometric study of the mercury phenolate complex system. *Freseniusr Journal of Analytical Chemistry*, **1990**, 338, 299-299		
5	A potentiometric study on the complexation between mercury(II) and phenolate ions. *Polyhedron*, **1990**, 9, 1537-1539	2.7	2
4	Formation of Nitrite Complexes of Gallium(III) and Indium(III) in Aqueous Solution. *Journal of Coordination Chemistry*, **1990**, 21, 209-213	1.6	4
3	Equilibrium studies on the formation of nitrite complexes of the divalent d10 acceptors. *Polyhedron* , **1988**, 7, 213-217	2.7	3
2	Complex formation of Ni(II) and Fe(III) with the nitrite anion. *Polyhedron*, **1986**, 5, 1335-1339	2.7	7
1	Graphene oxide/chitosan-based composite materials as adsorbents in dye removal. *Chemical Engineering Communications*,1-16	2.2	2