

Erol Ayranci

List of Publications by Year in descending order

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76
papers

4,318
citations

81900

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106344

65
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76
docs citations

76
times ranked

4560
citing authors

#	ARTICLE	IF	CITATIONS
1	Adsorption and electrosorption of paraquat, diquat and difenzoquat from aqueous solutions onto activated carbon cloth as monitored by in-situ UV-visible spectroscopy. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105566.	6.7	17
2	Removal of azo dyes from aqueous solutions by adsorption and electrosorption as monitored with in-situ UV-visible spectroscopy. <i>Separation Science and Technology</i> , 2020, 55, 3287-3298.	2.5	10
3	Comparison of Solution Behaviors of Two Structurally Related Ionic Liquids in Water and in Acetonitrile as Studied by Volumetric and Acoustic Properties. <i>Journal of Solution Chemistry</i> , 2019, 48, 1503-1518.	1.2	8
4	Interactions of Imidazolium Based Ionic Liquids with Water Studied by Density and Speed of Sound Measurements: Effect of the Chain Length of an Alkyl Substituent on the Imidazolium Ion. <i>Journal of Solution Chemistry</i> , 2018, 47, 246-261.	1.2	9
5	Sensor and biosensor application of a new redox mediator: Rosmarinic acid modified screen-printed carbon electrode for electrochemical determination of NADH and ethanol. <i>Journal of Electroanalytical Chemistry</i> , 2018, 813, 67-74.	3.8	43
6	Investigation of the composition and antioxidant activity of acetone and methanol extracts of <i>Daphne sericea</i> L. and <i>Daphne gnidioides</i> L.. <i>Journal of Food Science and Technology</i> , 2018, 55, 1396-1406.	2.8	11
7	Flow-through electrosorption process for removal of 2,4-D pesticide from aqueous solutions onto activated carbon cloth fixed-bed electrodes. <i>Water Science and Technology</i> , 2018, 77, 848-854.	2.5	14
8	Development of amperometric biosensors using screen-printed carbon electrodes modified with conducting polymer and nanomaterials for the analysis of ethanol, methanol and their mixtures. <i>Journal of Electroanalytical Chemistry</i> , 2018, 823, 588-592.	3.8	27
9	Densimetric and ultraacoustic study of LiCl in 1-butyl-3-methylimidazolium tetrafluoroborate and in water: A comparative interaction analysis. <i>Journal of Chemical Thermodynamics</i> , 2017, 110, 51-56.	2.0	11
10	Biosensor application of screen-printed carbon electrodes modified with nanomaterials and a conducting polymer: Ethanol biosensors based on alcohol dehydrogenase. <i>Sensors and Actuators B: Chemical</i> , 2016, 237, 849-855.	7.8	53
11	Solution Behavior of p-Coumaric, Caffeic and Ferulic Acids in Methanol as Determined from Volumetric Properties: Attempts to Explore a Correlation with Antioxidant Activities. <i>Journal of Solution Chemistry</i> , 2016, 45, 52-66.	1.2	7
12	Electrooxidation of NADH on Modified Screen-Printed Electrodes: Effects of Conducting Polymer and Nanomaterials. <i>Electrochimica Acta</i> , 2015, 166, 261-270.	5.2	41
13	Studies on the interactions of diglycine and triglycine with polyethylene glycol 400 in aqueous solutions by density and ultrasound speed measurements. <i>Journal of Chemical Thermodynamics</i> , 2013, 58, 70-82.	2.0	11
14	Radical Scavenging Capacity of Methanolic <i>Phillyrea latifolia</i> L. Extract: Anthocyanin and Phenolic Acids Composition of Fruits. <i>Molecules</i> , 2013, 18, 1798-1810.	3.8	13
15	Volumetric studies to examine the interactions of imidazolium based ionic liquids with water by means of density and speed of sound measurements. <i>Journal of Chemical Thermodynamics</i> , 2012, 54, 142-147.	2.0	55
16	Structural effects on electrosorptive behavior of aromatic organic acids from aqueous solutions onto activated carbon cloth electrode of a flow-through electrolytic cell. <i>Journal of Electroanalytical Chemistry</i> , 2012, 683, 14-20.	3.8	15
17	Lipid oxidation inhibiting capacities of blackseed essential oil and rosemary extract. <i>European Journal of Lipid Science and Technology</i> , 2012, 114, 175-184.	1.5	14
18	Electrosorption based waste water treatment system using activated carbon cloth electrode: Electrosorption of benzoic acid from a flow-through electrolytic cell. <i>Separation and Purification Technology</i> , 2012, 86, 113-118.	7.9	32

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19	Antioxidant activities of <i>Sideritis congesta</i> Davis et Huber-Morath and <i>Sideritis arguta</i> Boiss et Heldr: Identification of free flavonoids and cinnamic acid derivatives. <i>Food Research International</i> , 2011, 44, 297-303.	6.2	46
20	Phenolic compounds profile and antioxidant activity of <i>Dorystoechas hastata</i> L. Boiss et Heldr. <i>Food Research International</i> , 2011, 44, 3013-3020.	6.2	24
21	Volumetric properties of (ascorbic acid+polyethylene glycol 3350+water) systems at T=(288.15, 298.15,) Tj ETQq1 1 0.784314 rgBT /Ov	2.0	27
22	Interactions of glycine with polyethylene glycol studied by measurements of density and ultrasound speed in aqueous solutions at various temperatures. <i>Fluid Phase Equilibria</i> , 2011, 300, 155-161.	2.5	26
23	A systematic study on the changes in properties of an activated carbon cloth upon polarization. <i>Electrochimica Acta</i> , 2011, 56, 2184-2189.	5.2	46
24	Adsorptive removal of cationic surfactants from aqueous solutions onto high-area activated carbon cloth monitored by in situ UV spectroscopy. <i>Journal of Hazardous Materials</i> , 2010, 174, 359-367.	12.4	101
25	Effects of structural isomerism on solution behaviour of solutes: Apparent molar volumes and isentropic compression of catechol, resorcinol, and hydroquinone in aqueous solution at T=(283.15,) Tj ETQq1 1 0.784314 rgBT /Ov	2.0	27
26	Attachment of benzo-crown ethers onto activated carbon cloth to enhance the removal of chromium, cobalt and nickel ions from aqueous solutions by adsorption. <i>Journal of Hazardous Materials</i> , 2010, 176, 231-238.	12.4	96
27	Structural effects on the interactions of benzene and naphthalene sulfonates with activated carbon cloth during adsorption from aqueous solutions. <i>Chemical Engineering Journal</i> , 2010, 156, 70-76.	12.7	109
28	Investigation of changes in properties of activated carbon cloth upon polarization and of electrosorption of the dye basic blue-7. <i>Carbon</i> , 2010, 48, 1718-1730.	10.3	39
29	Electrochemically Enhanced Removal of Polycyclic Aromatic Basic Dyes from Dilute Aqueous Solutions by Activated Carbon Cloth Electrodes. <i>Environmental Science & Technology</i> , 2010, 44, 6331-6336.	10.0	63
30	Apparent Molar Volumes and Isentropic Compressibilities of Benzene Sulfonates and Naphthalene Sulfonates in Aqueous Solutions at (293.15, 303.15, 313.15, 323.15, and 333.15) K. <i>Journal of Chemical & Engineering Data</i> , 2010, 55, 947-952.	1.9	12
31	Apparent molar volumes and isentropic compressibilities of benzyltrialkylammonium chlorides in water at (293.15, 303.15, 313.15, 323.15, and 333.15)K. <i>Journal of Chemical Thermodynamics</i> , 2009, 41, 911-915.	2.0	12
32	Adsorption/electrosorption of catechol and resorcinol onto high area activated carbon cloth. <i>Journal of Hazardous Materials</i> , 2009, 168, 1459-1466.	12.4	74
33	Density, sound velocity and viscosity properties of aqueous sodium metatungstate solutions and an application of these solutions in heavy mineral separations. <i>Chemical Geology</i> , 2009, 264, 96-100.	3.3	14
34	A kinetic study of oxidation development in sunflower oil under microwave heating: Effect of natural antioxidants. <i>Food Research International</i> , 2009, 42, 1171-1177.	6.2	48
35	In-Situ UV-Visible Spectroscopic Study on the Adsorption of some Dyes onto Activated Carbon Cloth. <i>Separation Science and Technology</i> , 2009, 44, 3735-3752.	2.5	116
36	Removal of Catechol and Resorcinol from Aqueous Solution by Adsorption onto High Area Activated Carbon Cloth. , 2009, , 213-223.		2

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37	Removal of Metobromuron Pesticide from Aqueous Solutions by Adsorption at High Area Activated Carbon Cloth. , 2009, , 225-232.		1
38	Interactions of polyethylene glycols with water studied by measurements of density and sound velocity. Journal of Chemical Thermodynamics, 2008, 40, 1200-1207.	2.0	63
39	Antioxidant activities of rosemary (<i>Rosmarinus Officinalis</i> L.) extract, blackseed (<i>Nigella sativa</i> L.) essential oil, carnosic acid, rosmarinic acid and sesamol. Food Chemistry, 2008, 110, 76-82.	8.2	538
40	Removal of anionic surfactants from aqueous solutions by adsorption onto high area activated carbon cloth studied by in situ UV spectroscopy. Journal of Hazardous Materials, 2007, 148, 75-82.	12.4	83
41	Volumetric properties of ascorbic acid (vitamin C) and thiamine hydrochloride (vitamin B1) in dilute HCl and in aqueous NaCl solutions at (283.15, 293.15, 303.15, 308.15, and 313.15)K. Journal of Chemical Thermodynamics, 2007, 39, 1620-1631.	2.0	52
42	Adsorption of aromatic organic acids onto high area activated carbon cloth in relation to wastewater purification. Journal of Hazardous Materials, 2006, 136, 542-552.	12.4	94
43	Kinetic and equilibrium studies on the removal of acid dyes from aqueous solutions by adsorption onto activated carbon cloth. Journal of Hazardous Materials, 2006, 137, 344-351.	12.4	119
44	Viscosities, Apparent Molar Volumes, Expansivities and Isentropic Compressibilities of some Fatty Acids and their Triglycerides in Benzene at (20, 30, 40 and 60) Å°C. Journal of Solution Chemistry, 2006, 35, 1655-1672.	1.2	8
45	Adsorption Characteristics of Benzaldehyde, Sulphanilic acid, and p-Phenolsulfonate from Water, Acid, or Base Solutions onto Activated Carbon Cloth. Separation Science and Technology, 2006, 41, 3673-3692.	2.5	59
46	Moisture sorption isotherms of cowpea (<i>Vigna unguiculata</i> L. Walp) and its protein isolate at 10, 20 and 30Å°C. Journal of Food Engineering, 2005, 70, 83-91.	5.2	83
47	Structural and ionization effects on the adsorption behaviors of some anilinic compounds from aqueous solution onto high-area carbon-cloth. Journal of Hazardous Materials, 2005, 120, 173-181.	12.4	60
48	Adsorption behaviors of some phenolic compounds onto high specific area activated carbon cloth. Journal of Hazardous Materials, 2005, 124, 125-132.	12.4	135
49	Adsorption of benzoic acid onto high specific area activated carbon cloth. Journal of Colloid and Interface Science, 2005, 284, 83-88.	9.4	63
50	Adsorption of phthalic acid and its esters onto high-area activated carbon-cloth studied by in situ UV-spectroscopy. Journal of Hazardous Materials, 2005, 122, 147-153.	12.4	58
51	Adsorption kinetics and isotherms of pesticides onto activated carbon-cloth. Chemosphere, 2005, 60, 1600-1607.	8.2	213
52	Studies on removal of metribuzin, bromacil, 2,4-d and atrazine from water by adsorption on high area carbon cloth. Journal of Hazardous Materials, 2004, 112, 163-168.	12.4	51
53	Binding of fluoride, bromide and iodide to bovine serum albumin, studied with ion-selective electrodes. Food Chemistry, 2004, 84, 539-543.	8.2	72
54	The effect of edible coatings on water and vitamin C loss of apricots (<i>Armeniaca vulgaris</i> Lam.) and green peppers (<i>Capsicum annuum</i> L.). Food Chemistry, 2004, 87, 339-342.	8.2	109

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55	Adsorption of bentazon and propanil from aqueous solutions at the high area activated carbon-cloth. <i>Chemosphere</i> , 2004, 57, 755-762.	8.2	70
56	Binding of Lead Ion to Bovine Serum Albumin Studied by Ion Selective Electrode. <i>Protein and Peptide Letters</i> , 2004, 11, 331-337.	0.9	64
57	A method for the measurement of the oxygen permeability and the development of edible films to reduce the rate of oxidative reactions in fresh foods. <i>Food Chemistry</i> , 2003, 80, 423-431.	8.2	165
58	Apparent Molar Volumes and Viscosities of Lauric, Palmitic, and Stearic Acids in 2-Butanol at (20, 30,) Tj ETQq0 0 0,rgBT /Overlock 10 Tf	1.9	24
59	Molecular Structure Effects in the Adsorption Behaviour of some Aromatic Heterocyclic Compounds at High-Area Carbon-Cloth in Relation to Waste-Water Purification. <i>Zeitschrift Fur Physikalische Chemie</i> , 2003, 217, 315-332.	2.8	27
60	Adsorption and Electrosorption of Ethyl Xanthate and Thiocyanate Anions at High-Area Carbon-Cloth Electrodes Studied by in Situ UV Spectroscopy: A Development of Procedures for Wastewater Purification. <i>Analytical Chemistry</i> , 2001, 73, 1181-1189.	6.5	60
61	Use of quasi-3-dimensional porous electrodes for adsorption and electrocatalytic removal of impurities from waste-waters. <i>Electrochimica Acta</i> , 2001, 47, 705-718.	5.2	48
62	Removal of phenol, phenoxide and chlorophenols from waste-waters by adsorption and electroadsorption at high-area carbon felt electrodes. <i>Journal of Electroanalytical Chemistry</i> , 2001, 513, 100-110.	3.8	99
63	Title is missing!. <i>Journal of Applied Electrochemistry</i> , 2001, 31, 257-266.	2.9	81
64	The effect of fatty acid content on water vapour and carbon dioxide transmissions of cellulose-based edible films. <i>Food Chemistry</i> , 2001, 72, 231-236.	8.2	74
65	Title is missing!. <i>Journal of Solution Chemistry</i> , 1999, 28, 163-192.	1.2	66
66	The measurement of carbon dioxide transmission of edible films by a static method. <i>Journal of the Science of Food and Agriculture</i> , 1999, 79, 1033-1037.	3.5	15
67	Examination of the additivity of moisture contents of components in simple model food systems. <i>Molecular Nutrition and Food Research</i> , 1998, 42, 106-108.	0.0	1
68	Apparent Molar Volume and Viscosity of Compounds with Asymmetric Carbon Atoms. <i>Journal of Chemical & Engineering Data</i> , 1997, 42, 934-937.	1.9	23
69	Cellulose-based edible films and their effects on fresh beans and strawberries. <i>European Food Research and Technology</i> , 1997, 205, 470-473.	0.6	20
70	Binding of iodide to bovine serum albumin and protamine studied with an ion-selective electrode. <i>Food Chemistry</i> , 1995, 54, 173-175.	8.2	7
71	The effect of protein isolate of <i>Pistacia terebinthus</i> L. on moisture transfer properties of cellulose-based edible films. <i>LWT - Food Science and Technology</i> , 1995, 28, 241-244.	5.2	22
72	A method to study protein denaturation by measurements of apparent molar volumes. <i>Thermochemica Acta</i> , 1994, 232, 297-302.	2.7	3

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73	Moisture Sorption Isotherms of Dried Apricot, Fig and Raisin at 20 °C and 36 °C. Journal of Food Science, 1990, 55, 1591-1593.	3.1	115
74	Viscosities and apparent molar volumes of some amino acids in water and in 6M guanidine hydrochloride at 25 °C. Journal of Solution Chemistry, 1990, 19, 867-882.	1.2	167
75	Structural effects in the partial molar volumes and isentropic compressibilities of organic bases and their conjugate ions. Journal of Chemical Thermodynamics, 1988, 20, 9-27.	2.0	28
76	Size, shape and charge effects in the partial molal volume, compressibility and electrostriction behaviour of sulphur and chlorine oxyanions in water. Journal of the Chemical Society Faraday Transactions I, 1983, 79, 1357.	1.0	26