

# Erol Ayranci

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7411642/publications.pdf>

Version: 2024-02-01

76  
papers

4,318  
citations

81900

39  
h-index

106344

65  
g-index

76  
all docs

76  
docs citations

76  
times ranked

4560  
citing authors

#	ARTICLE	IF	CITATIONS
1	Antioxidant activities of rosemary ( <i>Rosmarinus Officinalis</i> L.) extract, blackseed ( <i>Nigella sativa</i> L.) essential oil, carnosic acid, rosmarinic acid and sesamol. <i>Food Chemistry</i> , 2008, 110, 76-82.	8.2	538
2	Adsorption kinetics and isotherms of pesticides onto activated carbon-cloth. <i>Chemosphere</i> , 2005, 60, 1600-1607.	8.2	213
3	Viscosities and apparent molar volumes of some amino acids in water and in 6M guanidine hydrochloride at 25°C. <i>Journal of Solution Chemistry</i> , 1990, 19, 867-882.	1.2	167
4	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
5	Adsorption behaviors of some phenolic compounds onto high specific area activated carbon cloth. <i>Journal of Hazardous Materials</i> , 2005, 124, 125-132.	12.4	135
6	Kinetic and equilibrium studies on the removal of acid dyes from aqueous solutions by adsorption onto activated carbon cloth. <i>Journal of Hazardous Materials</i> , 2006, 137, 344-351.	12.4	119
7	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
8	Moisture Sorption Isotherms of Dried Apricot, Fig and Raisin at 20 °C and 36 °C. <i>Journal of Food Science</i> , 1990, 55, 1591-1593.	3.1	115
9	The effect of edible coatings on water and vitamin C loss of apricots ( <i>Armeniaca vulgaris</i> Lam.) and green peppers ( <i>Capsicum annum</i> L.). <i>Food Chemistry</i> , 2004, 87, 339-342.	8.2	109
10	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
11	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
12	Removal of phenol, phenoxide and chlorophenols from waste-waters by adsorption and electrosorption at high-area carbon felt electrodes. <i>Journal of Electroanalytical Chemistry</i> , 2001, 513, 100-110.	3.8	99
13	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
14	Adsorption of aromatic organic acids onto high area activated carbon cloth in relation to wastewater purification. <i>Journal of Hazardous Materials</i> , 2006, 136, 542-552.	12.4	94
15	Moisture sorption isotherms of cowpea ( <i>Vigna unguiculata</i> L. Walp) and its protein isolate at 10, 20 and 30 °C. <i>Journal of Food Engineering</i> , 2005, 70, 83-91.	5.2	83
16	Removal of anionic surfactants from aqueous solutions by adsorption onto high area activated carbon cloth studied by in situ UV spectroscopy. <i>Journal of Hazardous Materials</i> , 2007, 148, 75-82.	12.4	83
17	Title is missing!. <i>Journal of Applied Electrochemistry</i> , 2001, 31, 257-266.	2.9	81
18	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

#	ARTICLE	IF	CITATIONS
19	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
20	Binding of fluoride, bromide and iodide to bovine serum albumin, studied with ion-selective electrodes. <i>Food Chemistry</i> , 2004, 84, 539-543.	8.2	72
21	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
22	Title is missing!. <i>Journal of Solution Chemistry</i> , 1999, 28, 163-192.	1.2	66
23	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
24	Adsorption of benzoic acid onto high specific area activated carbon cloth. <i>Journal of Colloid and Interface Science</i> , 2005, 284, 83-88.	9.4	63
25	Interactions of polyethylene glycols with water studied by measurements of density and sound velocity. <i>Journal of Chemical Thermodynamics</i> , 2008, 40, 1200-1207.	2.0	63
26	Electrochemically Enhanced Removal of Polycyclic Aromatic Basic Dyes from Dilute Aqueous Solutions by Activated Carbon Cloth Electrodes. <i>Environmental Science &amp; Technology</i> , 2010, 44, 6331-6336.	10.0	63
27	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
28	Structural and ionization effects on the adsorption behaviors of some anilinic compounds from aqueous solution onto high-area carbon-cloth. <i>Journal of Hazardous Materials</i> , 2005, 120, 173-181.	12.4	60
29	Adsorption Characteristics of Benzaldehyde, Sulphanilic acid, and p-Phenolsulfonate from Water, Acid, or Base Solutions onto Activated Carbon Cloth. <i>Separation Science and Technology</i> , 2006, 41, 3673-3692.	2.5	59
30	Adsorption of phthalic acid and its esters onto high-area activated carbon-cloth studied by in situ UV-spectroscopy. <i>Journal of Hazardous Materials</i> , 2005, 122, 147-153.	12.4	58
31	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
32	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
33	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, 298.15, 303.15, 308.15, and 313.15)K. <i>Journal of Chemical Thermodynamics</i> , 2007, 39, 1620-1631.	2.0	52
34	Studies on removal of metribuzin, bromacil, 2,4-d and atrazine from water by adsorption on high area carbon cloth. <i>Journal of Hazardous Materials</i> , 2004, 112, 163-168.	12.4	51
35	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
36	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

#	ARTICLE	IF	CITATIONS
37	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
38	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
39	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
40	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
41	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
42	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
43	Structural effects in the partial molar volumes and isentropic compressibilities of organic bases and their conjugate ions. <i>Journal of Chemical Thermodynamics</i> , 1988, 20, 9-27.	2.0	28
44	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
45	Volumetric properties of (ascorbic acid+polyethylene glycol 3350+water) systems at T=(288.15, 298.15,) Tj ETQq1 <sub>2.0</sub> 1.0.784314 rgBT /Ove	1.9	27
46	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
47	Size, shape and charge effects in the partial molal volume, compressibility and electrostriction behaviour of sulphur and chlorine oxyanions in water. <i>Journal of the Chemical Society Faraday Transactions I</i> , 1983, 79, 1357.	1.0	26
48	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
49	Apparent Molar Volumes and Viscosities of Lauric, Palmitic, and Stearic Acids in 2-Butanol at (20, 30,) Tj ETQq1 <sub>1.9</sub> 1.0.784314 rgBT /Ove	1.9	24
50	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
51	Apparent Molar Volume and Viscosity of Compounds with Asymmetric Carbon Atoms. <i>Journal of Chemical &amp; Engineering Data</i> , 1997, 42, 934-937.	1.9	23
52	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
53	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
54	Adsorption and electrosorption of paraquat, diquat and difenzoquat from aqueous solutions onto activated carbon cloth as monitored by in-situ UV-Vis spectroscopy. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105566.	6.7	17

#	ARTICLE	IF	CITATIONS
55	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
56	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
57	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
58	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
59	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
60	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
61	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. <sup>2.0</sup>		12
62	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 &amp; Engineering Data</i> , 2010, 55, 947-952.	1.9	12
63	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
64	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
65	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
66	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
67	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
68	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. <i>Journal of Solution Chemistry</i> , 2006, 35, 1655-1672.	1.2	8
69	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
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	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
72	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 ETQq0 0 0 qBT /Overdock 10 Tf		

#	ARTICLE	IF	CITATIONS
73	A method to study protein denaturation by measurements of apparent molar volumes. <i>Thermochimica Acta</i> , 1994, 232, 297-302.	2.7	3
74	Removal of Catechol and Resorcinol from Aqueous Solution by Adsorption onto High Area Activated Carbon Cloth. , 2009, , 213-223.		2
75	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
76	Removal of Metobromuron Pesticide from Aqueous Solutions by Adsorption at High Area Activated Carbon Cloth. , 2009, , 225-232.		1