

Mustafa Khamis

List of Publications by Year in descending order

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361296
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#	ARTICLE	IF	CITATIONS
1	Antibacterial effects of octadecyl trimethylammonium micelle-clay complex against bacterial eye pathogens: potential as a contact lens disinfectant. <i>International Ophthalmology</i> , 2022, 42, 939-944.	0.6	1
2	Ionic Liquid Agar-Alginate Beads as a Sustainable Phenol Adsorbent. <i>Polymers</i> , 2022, 14, 984.	2.0	8
3	Ionic Liquid Melting Points: Structure-Property Analysis and New Hybrid Group Contribution Model. <i>Industrial & Engineering Chemistry Research</i> , 2022, 61, 4683-4706.	1.8	11
4	Amine-Based Deep Eutectic Solvents for Alizarin Extraction from Aqueous Media. <i>Processes</i> , 2022, 10, 794.	1.3	3
5	Antiamoebic properties of salicylic acid-based deep eutectic solvents for the development of contact lens disinfecting solutions against <i>Acanthamoeba</i> . <i>Molecular and Biochemical Parasitology</i> , 2022, 250, 111493.	0.5	6
6	Simultaneous Adsorption and Reduction of Cr(VI) to Cr(III) in Aqueous Solution Using Nitrogen-Rich Amino Linked Porous Organic Polymers. <i>Sustainability</i> , 2021, 13, 923.	1.6	8
7	Sustainable management of cut flowers waste by activation and its application in wastewater treatment technology. <i>Environmental Science and Pollution Research</i> , 2021, 28, 31803-31813.	2.7	3
8	Brain-Eating Amoebae in the United Arab Emirates?. <i>ACS Pharmacology and Translational Science</i> , 2021, 4, 1014-1015.	2.5	5
9	Role of cation and alkyl chain length on the extraction of phenol from aqueous solution using NTF2-based ionic liquids: Experimental and computational analysis. <i>Journal of Molecular Liquids</i> , 2021, 326, 115305.	2.3	15
10	Potential Application of Vaporized Drugs via Nasal Inhalers to Prevent Mortality and Central Nervous System Damage Caused by Primary Amoebic Meningoencephalitis Due to <i>Naegleria fowleri</i> . <i>ACS Pharmacology and Translational Science</i> , 2021, 4, 1249-1252.	2.5	2
11	Dual Targeting of Function-Structure for Effective Killing of Pathogenic Free-Living Amoebae. <i>ACS Medicinal Chemistry Letters</i> , 2021, 12, 672-676.	1.3	0
12	Group Contribution Estimation of Ionic Liquid Melting Points: Critical Evaluation and Refinement of Existing Models. <i>Molecules</i> , 2021, 26, 2454.	1.7	10
13	COSMO-RS based screening of ionic liquids for extraction of phenolic compounds from aqueous media. <i>Journal of Molecular Liquids</i> , 2021, 328, 115387.	2.3	41
14	Cationic Surfactant-Natural Clay Complex as a Novel Agent Against <i>Acanthamoeba castellanii</i> Belonging to the T4 Genotype. <i>Eye and Contact Lens</i> , 2021, 47, 592-597.	0.8	10
15	Preparation of sustainable activated carbon-alginate beads impregnated with ionic liquid for phenol decontamination. <i>Journal of Cleaner Production</i> , 2021, 321, 128899.	4.6	20
16	Application of protic ammonium-based ionic liquids with carboxylate anions for phenol extraction from aqueous solution and their cytotoxicity on human cells. <i>Journal of Molecular Liquids</i> , 2021, 342, 117447.	2.3	8
17	Ionic liquids and deep eutectic solvents for the recovery of phenolic compounds: effect of ionic liquids structure and process parameters. <i>RSC Advances</i> , 2021, 11, 12398-12422.	1.7	53
18	Scale-Up of Self-Regenerating Semi-Batch Adsorption Cycles through Concurrent Adsorption and Reduction of Cr(VI) on Sheep Wool. <i>Processes</i> , 2020, 8, 1092.	1.3	1

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19	SARS-CoV-2: Disinfection Strategies to Prevent Transmission of Neuro pathogens via Air Conditioning Systems. ACS Chemical Neuroscience, 2020, 11, 3177-3179.	1.7	4
20	Farmer participation and motivation for repeat plant clinic use: Implications for delivery of plant health advice in Kenya. Cogent Environmental Science, 2020, 6, 1750539.	1.6	6
21	SARS-CoV-2: The Increasing Importance of Water Filtration against Highly Pathogenic Microbes. ACS Chemical Neuroscience, 2020, 11, 2482-2484.	1.7	6
22	Irrigation System and COVID-19 Recurrence: A Potential Risk Factor in the Transmission of SARS-CoV-2. ACS Chemical Neuroscience, 2020, 11, 2903-2905.	1.7	9
23	Neuro pathogens and Nasal Cleansing: Use of Clay Montmorillonite Coupled with Activated Carbon for Effective Eradication of Pathogenic Microbes from Water Supplies. ACS Chemical Neuroscience, 2020, 11, 2786-2788.	1.7	2
24	Cyclic Sequential Removal of Alizarin Red S Dye and Cr(VI) Ions Using Wool as a Low-Cost Adsorbent. Processes, 2020, 8, 556.	1.3	14
25	Chemically modified nanoparticles usage for removal of chromium from sewer water. Environmental Nanotechnology, Monitoring and Management, 2020, 14, 100319.	1.7	3
26	Is acid treatment of secondary aluminum waste products prior to storage and disposal a viable option?. Environmental Nanotechnology, Monitoring and Management, 2020, 14, 100322.	1.7	2
27	Removal of Selected Pharmaceuticals from Aqueous Solutions Using Natural Jordanian Zeolite. Arabian Journal for Science and Engineering, 2019, 44, 209-215.	1.7	28
28	Application of the epuvalisation technology for the tertiary treatment of secondary treated effluents using geranium plants. Annals of Agricultural Sciences, 2019, 64, 237-243.	1.1	1
29	Application of multiwalled carbon nanotubes and its magnetite derivative for emulsified oil removal from produced water. Environmental Technology (United Kingdom), 2019, 40, 3337-3350.	1.2	9
30	Rosemary (<i>Rosmarinus officinalis</i>) plants irrigation with secondary treated effluents using Epuvalisation technology. Net Journal of Agricultural Science, 2019, 7, 69-77.	0.1	2
31	Application of graphene nanoplatelets and graphene magnetite for the removal of emulsified oil from produced water. Journal of Environmental Chemical Engineering, 2018, 6, 3018-3033.	3.3	33
32	Variable selection methods for water demand forecasting in Ethiopia: Case study Gondar town. Cogent Environmental Science, 2018, 4, 1537067.	1.6	14
33	Spent caustic treatment using hydrophobic room temperatures ionic liquids. Journal of Industrial and Engineering Chemistry, 2018, 65, 325-333.	2.9	12
34	Use of Eucalyptus camaldulensis as Biosorbent for Lead Removal from Aqueous Solution. International Journal of Environmental Research, 2018, 12, 513-529.	1.1	10
35	Mild steel green inhibition by <i>Ficus carica</i> leaves extract under practical field conditions. Journal of Adhesion Science and Technology, 2017, 31, 2697-2718.	1.4	20
36	Corrosion inhibition of mild steel by <i>Calotropis procera</i> leaves extract in a CO ₂ saturated sodium chloride solution. Journal of Adhesion Science and Technology, 2016, 30, 2523-2543.	1.4	36

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37	Paracetamol biodegradation by activated sludge and photocatalysis and its removal by a micelle-clay complex, activated charcoal, and reverse osmosis membranes. Environmental Technology (United Kingdom), 2015, 36, 2069-2078.	1.0	14
38	Removal of chlorpyrifos using micelle-clay complex and advanced treatment technology. Desalination and Water Treatment, 2016, 57, 15687-15696.	1.0	6
39	Application of eggplant peels powder for the removal of oil from produced water. Desalination and Water Treatment, 2016, 57, 15724-15732.	1.0	13
40	Novel method for water purification using activated adsorbents developed from sewage sludge. Desalination and Water Treatment, 2016, 57, 15649-15659.	1.0	1
41	Diazepam stability in wastewater and removal by advanced membrane technology, activated carbon, and micelle-clay complex. Desalination and Water Treatment, 2016, 57, 3098-3106.	1.0	13
42	Produced water treatment using naturally abundant pomegranate peel. Desalination and Water Treatment, 2016, 57, 6693-6701.	1.0	19
43	Removal of amoxicillin and cefuroxime axetil by advanced membranes technology, activated carbon and micelle-clay complex. Environmental Technology (United Kingdom), 2015, 36, 2069-2078.	1.2	17
44	Stability and removal of atorvastatin, rosuvastatin and simvastatin from wastewater. Environmental Technology (United Kingdom), 2015, 36, 3232-3242.	1.2	21
45	Stability and removal of spironolactone from wastewater. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2015, 50, 1127-1135.	0.9	6
46	Removal of Lead (II) Ions from Aqueous Solution Using Eggplant Peels Activated Charcoal. Separation Science and Technology, 2015, 50, 91-98.	1.3	7
47	Hexavalent Chromium Removal and Reduction to Cr (III) by Polystyrene Tris(2-aminoethyl)amine. American Journal of Analytical Chemistry, 2015, 06, 26-37.	0.3	11
48	Concurrent Removal and Reduction of Cr(VI) by Wool: Short and Long Term Equilibration Studies. American Journal of Analytical Chemistry, 2015, 06, 47-57.	0.3	16
49	Stability and removal of dexamethasone sodium phosphate from wastewater using modified clays. Environmental Technology (United Kingdom), 2014, 35, 1945-1955.	1.2	16
50	Stability and Removal of Naproxen and Its Metabolite by Advanced Membrane Wastewater Treatment Plant and Micelle-clay Complex. Clean - Soil, Air, Water, 2014, 42, 594-600.	0.7	29
51	Efficiency of advanced wastewater treatment plant system and laboratory-scale micelle-clay filtration for the removal of ibuprofen residues. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2013, 48, 814-821.	0.7	35
52	Prodrugs of fumarate esters for the treatment of psoriasis and multiple sclerosis—a computational approach. Journal of Molecular Modeling, 2013, 19, 439-452.	0.8	15
53	Efficiency of membrane technology, activated charcoal, and a micelle-clay complex for removal of the acidic pharmaceutical mefenamic acid. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2013, 48, 1655-1662.	0.9	12
54	Inland Treatment of the Brine Generated from Reverse Osmosis Advanced Membrane Wastewater Treatment Plant Using Epuvalisation System. International Journal of Molecular Sciences, 2013, 14, 13808-13825.	1.8	11

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55	Removal of Cr(VI) from Aqueous Environments Using Micelle-Clay Adsorption. Scientific World Journal, The, 2013, 2013, 1-7.	0.8	24
56	Removal of diclofenac potassium from wastewater using clay-micelle complex. Environmental Technology (United Kingdom), 2012, 33, 1279-1287.	1.2	40
57	Targeted prodrugs in oral drug delivery: the modern molecular biopharmaceutical approach. Expert Opinion on Drug Delivery, 2012, 9, 1001-1013.	2.4	55
58	Prodrugs of Acyclovir – A Computational Approach. Chemical Biology and Drug Design, 2012, 79, 819-834.	1.5	30
59	Computer-assisted design for paracetamol masking bitter taste prodrugs. Journal of Molecular Modeling, 2012, 18, 103-114.	0.8	44
60	Calorimetric determination of enthalpy changes for the proton ionization of 3-[N-morpholino]propanesulfonic acid (MOPS), 4-[N-morpholino]butanesulfonic acid (MOBS) and 3-[N-morpholino]-2-hydroxypropanesulfonic acid (MOPSO) in water-methanol mixtures. Thermochemica Acta, 2011, , .	1.2	0
61	Simultaneous HPLC analysis of pseudophedrine hydrochloride, codeine phosphate, and triprolidine hydrochloride in liquid dosage forms. Journal of Pharmaceutical and Biomedical Analysis, 2010, 51, 991-993.	1.4	34
62	Speciation and removal of chromium from aqueous solution by white, yellow and red UAE sand. Journal of Hazardous Materials, 2009, 169, 948-952.	6.5	40
63	Calorimetric determination of enthalpy changes for the proton ionization of N-tris(hydroxymethyl)methyl-4-aminobutanesulfonic acid (TABS), N-tris(hydroxymethyl)methyl-3-aminopropanesulfonic acid (TAPS) and 3-[N-tris(hydroxymethyl)methylamino]-2-hydroxypropane sulfonic acid (TAPSO) in water-methanol mixtures. Thermochemica Acta, 2008, 175, 22-24.	1.2	3
64	Bordeaux-R interactions with surfactants: thermochromic investigations of proton ionisation in cationic, nonionic and anionic surfactant solutions. Coloration Technology, 2007, 123, 317-322.	0.7	2
65	Azo dyes interactions with surfactants. Determination of the critical micelle concentration from acid-base equilibrium. Dyes and Pigments, 2005, 66, 179-183.	2.0	57
66	Acid alizarin violet interactions with surfactants: ionization and thermodynamic parameters in buffered cationic, anionic and nonionic surfactant solutions. Dyes and Pigments, 2004, 63, 101-113.	2.0	16
67	Selective adsorption of chromium(VI) in industrial wastewater using low-cost abundantly available adsorbents. Journal of Environmental Management, 2002, 6, 533-540.	1.7	721
68	Effect of surfactants on the thermodynamic properties of Methyl Orange dye in buffered solutions. Coloration Technology, 2002, 118, 191-197.	0.7	12
69	Aggregation of o, o'-dihydroxyazo dyes II. Interaction of 2-hydroxy-4-nitrophenylazoresorcinol in DMSO and DMF. Dyes and Pigments, 1999, 41, 199-209.	2.0	24
70	A CATALYTIC METHOD FOR THE DETERMINATION OF TRACE AMOUNTS OF MERCURY UPTAKEN BY BROAD BEANS PLANTS. Main Group Metal Chemistry, 1996, 19, .	0.6	1
71	A Sensitive Catalytic Method for the Determination of Copper by Its Catalytic Effect on the Potassium Bromate Indigo Carmine Reaction. Instrumentation Science and Technology, 1994, 22, 355-363.	0.9	8
72	Spectrophotometric Determination of Uranium in Ores Using Di-2-Pyridyl Ketone Hydrazone Derivatives. Spectroscopy Letters, 1992, 25, 585-592.	0.5	10

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73	Spectrophotometric determination of cobalt in aqueous solution using di-2-pyridyl ketone derivatives. <i>Analytica Chimica Acta</i> , 1992, 259, 175-179.	2.6	19
74	Spectrophotometric Determination of Cobalt with Di-2-Pyridyl Ketone Benzoylhydrazone. <i>Spectroscopy Letters</i> , 1991, 24, 1145-1152.	0.5	13
75	An IncY plasmid-encoded single-stranded DNA-binding protein from <i>Escherichia coli</i> shows the identical pattern of stacked tryptophan residues as the chromosomal <i>ssb</i> gene product. <i>FEBS Journal</i> , 1988, 178, 101-107.	0.2	6
76	Binding of <i>recA</i> protein to single- and double-stranded polynucleotides occurs without involvement of its aromatic residues in stacking interactions with nucleotide bases. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 1988, 950, 132-137.	2.4	5
77	Tryptophan 54 and phenylalanine 60 are involved synergistically in the binding of <i>E. coli</i> SSB protein to single-stranded polynucleotides. <i>FEBS Letters</i> , 1987, 220, 347-352.	1.3	60
78	Role of tryptophan 54 in the binding of <i>E. coli</i> single-stranded DNA-binding protein to single-stranded polynucleotides. <i>FEBS Letters</i> , 1987, 211, 155-159.	1.3	35
79	Optically detected magnetic resonance of tryptophan residues in complexes formed between a bacterial single-stranded DNA binding protein and heavy atom-modified poly(uridylic acid). <i>Biochemistry</i> , 1987, 26, 3347-3354.	1.2	18
80	Investigation of complexes formed between gene 32 protein from bacteriophage T4 and heavy-atom-modified single-stranded polynucleotides using optical detection of magnetic resonance. <i>Biochemistry</i> , 1986, 25, 5865-5872.	1.2	19
81	Removal of selected none-steroidal anti-inflammatory drugs from wastewater using reduced graphene oxide magnetite. , 0, 212, 401-414.		5
82	Produced water treatment using olive leaves. , 0, 60, 129-136.		10
83	Removal of benzo (a) anthracene from water using a novel UAE sludge-based activated adsorbent. , 0, 100, 295-302.		2
84	Removal of lead ions from wastewater using multi walled carbon nanotubes modified with sodium lauryl sulfate. , 0, 100, 55-65.		5
85	Design and optimization of a batch sequential contactor for the removal of chromium(VI) from industrial wastewater using sheep wool as a low-cost adsorbent. , 0, 113, 109-113.		6
86	Experimental design modelling and optimization of levofloxacin removal with graphene nanoplatelets using response surface method. , 0, 169, 38-48.		4
87	Adsorption characteristics of diclofenac sodium onto graphene nanoplatelets. , 0, 206, 331-339.		3