

# Mustafa Khamis

## List of Publications by Year in descending order

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87  
papers

2,013  
citations

361296  
20  
h-index

265120  
42  
g-index

87  
all docs

87  
docs citations

87  
times ranked

2061  
citing authors

#	ARTICLE	IF	CITATIONS
1	Selective adsorption of chromium(VI) in industrial wastewater using low-cost abundantly available adsorbents. <i>Journal of Environmental Management</i> , 2002, 6, 533-540.	1.7	721
2	Tryptophan 54 and phenylalanine 60 are involved synergistically in the binding of E. coli SSB protein to single-stranded polynucleotides. <i>FEBS Letters</i> , 1987, 220, 347-352.	1.3	60
3	Azo dyes interactions with surfactants. Determination of the critical micelle concentration from acid-base equilibrium. <i>Dyes and Pigments</i> , 2005, 66, 179-183.	2.0	57
4	Targeted prodrugs in oral drug delivery: the modern molecular biopharmaceutical approach. <i>Expert Opinion on Drug Delivery</i> , 2012, 9, 1001-1013.	2.4	55
5	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
6	Computer-assisted design for paracetamol masking bitter taste prodrugs. <i>Journal of Molecular Modeling</i> , 2012, 18, 103-114.	0.8	44
7	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
8	Speciation and removal of chromium from aqueous solution by white, yellow and red UAE sand. <i>Journal of Hazardous Materials</i> , 2009, 169, 948-952.	6.5	40
9	Removal of diclofenac potassium from wastewater using clay-micelle complex. <i>Environmental Technology (United Kingdom)</i> , 2012, 33, 1279-1287.	1.2	40
10	Corrosion inhibition of mild steel by <i>Calotropis pinnatifida</i> leaves extract in a CO <sub>2</sub> -saturated sodium chloride solution. <i>Journal of Adhesion Science and Technology</i> , 2016, 30, 2523-2543.	1.4	36
11	Role of tryptophan 54 in the binding of E. coli single-stranded DNA-binding protein to single-stranded polynucleotides. <i>FEBS Letters</i> , 1987, 211, 155-159.	1.3	35
12	Efficiency of advanced wastewater treatment plant system and laboratory-scale micelle-clay filtration for the removal of ibuprofen residues. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2013, 48, 814-821.	0.7	35
13	Simultaneous HPLC analysis of pseudophedrine hydrochloride, codeine phosphate, and triprolidine hydrochloride in liquid dosage forms. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2010, 51, 991-993.	1.4	34
14	Application of graphene nanoplatelets and graphene magnetite for the removal of emulsified oil from produced water. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 3018-3033.	3.3	33
15	Prodrugs of Acyclovir – A Computational Approach. <i>Chemical Biology and Drug Design</i> , 2012, 79, 819-834.	1.5	30
16	Stability and Removal of Naproxen and Its Metabolite by Advanced Membrane Wastewater Treatment Plant and Micelle-Clay Complex. <i>Clean - Soil, Air, Water</i> , 2014, 42, 594-600.	0.7	29
17	Removal of Selected Pharmaceuticals from Aqueous Solutions Using Natural Jordanian Zeolite. <i>Arabian Journal for Science and Engineering</i> , 2019, 44, 209-215.	1.7	28
18	Aggregation of <i>o</i> , <i>o</i> -dihydroxyazo dyes II. Interaction of 2-hydroxy-4-nitrophenylazoresorcinol in DMSO and DMF. <i>Dyes and Pigments</i> , 1999, 41, 199-209.	2.0	24

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19	Removal of Cr(VI) from Aqueous Environments Using Micelle-Clay Adsorption. Scientific World Journal, The, 2013, 2013, 1-7.	0.8	24
20	Stability and removal of atorvastatin, rosuvastatin and simvastatin from wastewater. Environmental Technology (United Kingdom), 2015, 36, 3232-3242.	1.2	21
21	Mild steel green inhibition by Ficus carica leaves extract under practical field conditions. Journal of Adhesion Science and Technology, 2017, 31, 2697-2718.	1.4	20
22	Preparation of sustainable activated carbon-alginate beads impregnated with ionic liquid for phenol decontamination. Journal of Cleaner Production, 2021, 321, 128899.	4.6	20
23	Investigation of complexes formed between gene 32 protein from bacteriophage T4 and heavy-atom-modified single-stranded polynucleotides using optical detection of magnetic resonance. Biochemistry, 1986, 25, 5865-5872.	1.2	19
24	Spectrophotometric determination of cobalt in aqueous solution using di-2-pyridyl ketone derivatives. Analytica Chimica Acta, 1992, 259, 175-179.	2.6	19
25	Produced water treatment using naturally abundant pomegranate peel. Desalination and Water Treatment, 2016, 57, 6693-6701.	1.0	19
26	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). Biochemistry, 1987, 26, 3347-3354.	1.2	18
27	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.	1.2	17
28	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
29	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
30	Stability and removal of dexamethasone sodium phosphate from wastewater using modified clays. Environmental Technology (United Kingdom), 2014, 35, 1945-1955.	1.2	16
31	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
32	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
33	Role of cation and alkyl chain length on the extraction of phenol from aqueous solution using NTF2-based ionic liquids: Experimental and computational analysis. Journal of Molecular Liquids, 2021, 326, 115305.	2.3	15
34	Variable selection methods for water demand forecasting in Ethiopia: Case study Gondar town. Cogent Environmental Science, 2018, 4, 1537067.	1.6	14
35	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
36	Spectrophotometric Determination of Cobalt with Di-2-Pyridyl Ketone Benzoylhydrazone. Spectroscopy Letters, 1991, 24, 1145-1152.	0.5	13

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37	Application of eggplant peels powder for the removal of oil from produced water. <i>Desalination and Water Treatment</i> , 2016, 57, 15724-15732.	1.0	13
38	Diazepam stability in wastewater and removal by advanced membrane technology, activated carbon, and micelle-clay complex. <i>Desalination and Water Treatment</i> , 2016, 57, 3098-3106.	1.0	13
39	Effect of surfactants on the thermodynamic properties of Methyl Orange dye in buffered solutions. <i>Coloration Technology</i> , 2002, 118, 191-197.	0.7	12
40	Efficiency of membrane technology, activated charcoal, and a micelle-clay complex for removal of the acidic pharmaceutical mefenamic acid. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2013, 48, 1655-1662.	0.9	12
41	Spent caustic treatment using hydrophobic room temperatures ionic liquids. <i>Journal of Industrial and Engineering Chemistry</i> , 2018, 65, 325-333.	2.9	12
42	Inland Treatment of the Brine Generated from Reverse Osmosis Advanced Membrane Wastewater Treatment Plant Using Epuvalisation System. <i>International Journal of Molecular Sciences</i> , 2013, 14, 13808-13825.	1.8	11
43	Hexavalent Chromium Removal and Reduction to Cr (III) by Polystyrene Tris(2-aminoethyl)amine. <i>American Journal of Analytical Chemistry</i> , 2015, 06, 26-37.	0.3	11
44	Ionic Liquid Melting Points: Structure-Property Analysis and New Hybrid Group Contribution Model. <i>Industrial &amp; Engineering Chemistry Research</i> , 2022, 61, 4683-4706.	1.8	11
45	Spectrophotometric Determination of Uranium in Ores Using Di-2-Pyridyl Ketone Hydrazone Derivatives. <i>Spectroscopy Letters</i> , 1992, 25, 585-592.	0.5	10
46	Use of Eucalyptus camaldulensis as Biosorbent for Lead Removal from Aqueous Solution. <i>International Journal of Environmental Research</i> , 2018, 12, 513-529.	1.1	10
47	Group Contribution Estimation of Ionic Liquid Melting Points: Critical Evaluation and Refinement of Existing Models. <i>Molecules</i> , 2021, 26, 2454.	1.7	10
48	Cationic Surfactant-Natural Clay Complex as a Novel Agent Against Acanthamoeba castellanii Belonging to the T4 Genotype. <i>Eye and Contact Lens</i> , 2021, 47, 592-597.	0.8	10
49	Produced water treatment using olive leaves. , 0, 60, 129-136.		10
50	Application of multiwalled carbon nanotubes and its magnetite derivative for emulsified oil removal from produced water. <i>Environmental Technology (United Kingdom)</i> , 2019, 40, 3337-3350.	1.2	9
51	Irrigation System and COVID-19 Recurrence: A Potential Risk Factor in the Transmission of SARS-CoV-2. <i>ACS Chemical Neuroscience</i> , 2020, 11, 2903-2905.	1.7	9
52	A Sensitive Catalytic Method for the Determination of Copper by Its Catalytic Effect on the Potassium Bromate Indigo Carmine Reaction. <i>Instrumentation Science and Technology</i> , 1994, 22, 355-363.	0.9	8
53	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
54	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

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55	Ionic Liquid Agarose-Alginate Beads as a Sustainable Phenol Adsorbent. <i>Polymers</i> , 2022, 14, 984.	2.0	8
56	Removal of Lead (II) Ions from Aqueous Solution Using Eggplant Peels Activated Charcoal. <i>Separation Science and Technology</i> , 2015, 50, 91-98.	1.3	7
57	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
58	Stability and removal of spironolactone from wastewater. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2015, 50, 1127-1135.	0.9	6
59	Removal of chlorpyrifos using micelle-clay complex and advanced treatment technology. <i>Desalination and Water Treatment</i> , 2016, 57, 15687-15696.	1.0	6
60	Farmer participation and motivation for repeat plant clinic use: Implications for delivery of plant health advice in Kenya. <i>Cogent Environmental Science</i> , 2020, 6, 1750539.	1.6	6
61	SARS-CoV-2: The Increasing Importance of Water Filtration against Highly Pathogenic Microbes. <i>ACS Chemical Neuroscience</i> , 2020, 11, 2482-2484.	1.7	6
62	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
63	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
64	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
65	Brain-Eating Amoebae in the United Arab Emirates?. <i>ACS Pharmacology and Translational Science</i> , 2021, 4, 1014-1015.	2.5	5
66	Removal of selected none-steroidal anti-inflammatory drugs from wastewater using reduced graphene oxide magnetite. , 0, 212, 401-414.		5
67	Removal of lead ions from wastewater using multi walled carbon nanotubes modified with sodium lauryl sulfate. , 0, 100, 55-65.		5
68	SARS-CoV-2: Disinfection Strategies to Prevent Transmission of Neuro pathogens via Air Conditioning Systems. <i>ACS Chemical Neuroscience</i> , 2020, 11, 3177-3179.	1.7	4
69	Experimental design modelling and optimization of levofloxacin removal with graphene nanoplatelets using response surface method. , 0, 169, 38-48.		4
70	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. <i>Thermochimica Acta</i> , 2008, 475, 22-24.	1.2	3
71	Chemically modified nanoparticles usage for removal of chromium from sewer water. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2020, 14, 100319.	1.7	3
72	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

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73	Adsorption characteristics of diclofenac sodium onto graphene nanoplatelets. , 0, 206, 331-339.		3
74	Amine-Based Deep Eutectic Solvents for Alizarin Extraction from Aqueous Media. Processes, 2022, 10, 794.	1.3	3
75	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
76	Neuropathogens 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
77	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
78	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> . ACS Pharmacology and Translational Science, 2021, 4, 1249-1252.	2.5	2
79	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
80	Removal of benzo (a) anthracene from water using a novel UAE sludge-based activated adsorbent. , 0, 100, 295-302.		2
81	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
82	Novel method for water purification using activated adsorbents developed from sewage sludge. Desalination and Water Treatment, 2016, 57, 15649-15659.	1.0	1
83	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
84	Scale-Up of Self-Regenerating Semi-Batch Adsorption Cycles through Concurrent Adsorption and Reduction of Cr(VI) on Sheep Wool. Processes, 2020, 8, 1092.	1.3	1
85	Antibacterial effects of octadecyl trimethylammonium micelle-clay complex against bacterial eye pathogens: potential as a contact lens disinfectant. International Ophthalmology, 2022, 42, 939-944.	0.6	1
86	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
87	Dual Targeting of Function-Structure for Effective Killing of Pathogenic Free-Living Amoebae. ACS Medicinal Chemistry Letters, 2021, 12, 672-676.	1.3	0