

# Tamer Akar

## List of Publications by Year in descending order

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76  
papers

4,018  
citations

134610

34  
h-index

134545

62  
g-index

77  
all docs

77  
docs citations

77  
times ranked

3914  
citing authors

#	ARTICLE	IF	CITATIONS
1	Gel-entrapped biomass of <i>Lactarius salmonicolor</i> for the effective treatment of aquatic $\text{Co}^{2+}$ and $\text{Mn}^{2+}$ pollution. <i>Biomass Conversion and Biorefinery</i> , 2024, 14, 4257-4271.	2.9	0
2	Highly effective fish scale-based biochar as a recyclable and green material for toxic cadmium ion bioremoval from liquid phase. <i>Biomass Conversion and Biorefinery</i> , 2024, 14, 4869-4882.	2.9	0
3	Magnetically functionalized alunite as a recyclable and ecofriendly adsorbent for efficient removal of $\text{Pb}^{2+}$ . <i>Journal of Water Process Engineering</i> , 2022, 48, 102867.	2.6	3
4	Parametric optimization of $\text{Cu}(\text{II})$ removal process by a metakaolin-based geopolymer: Batch and continuous process design. <i>Journal of Cleaner Production</i> , 2022, 366, 132819.	4.6	8
5	Adsorption of Diazo Dye from Aqueous Solutions by Magnetic Montmorillonite Composite. <i>Clean - Soil, Air, Water</i> , 2021, 49, 2000165.	0.7	4
6	Microbial cells immobilized on natural biomatrix as a new potential ecofriendly biosorbent for the biotreatment of reactive dye contamination. <i>Journal of Water Process Engineering</i> , 2021, 39, 101731.	2.6	25
7	Immobilized <i>Mucor plumbeus</i> on sepiolite support: A potential decolorization agent suitable for batch and continuous mode water treatment. <i>Journal of Cleaner Production</i> , 2021, 294, 126283.	4.6	6
8	Attached culture of <i>Gibberella fujikuroi</i> for biocomposite sorbent production and ciprofloxacin sequestration applications. <i>Journal of Chemical Technology and Biotechnology</i> , 2021, 96, 2610-2619.	1.6	6
9	Efficacy of green waste-derived biochar for lead removal from aqueous systems: Characterization, equilibrium, kinetic and application. <i>Journal of Environmental Management</i> , 2021, 289, 112490.	3.8	21
10	Chitosan immobilization and $\text{Fe}_3\text{O}_4$ functionalization of olive pomace: An ecofriendly and recyclable $\text{Pb}^{2+}$ biosorbent. <i>Carbohydrate Polymers</i> , 2021, 269, 118266.	5.1	19
11	Design and modeling of the decolorization characteristics of a regenerable and eco-friendly geopolymer: Batch and dynamic flow mode treatment aspects. <i>Journal of Environmental Management</i> , 2021, 298, 113548.	3.8	7
12	From green biowaste to water treatment applications: Utilization of modified new biochar for the efficient removal of ciprofloxacin. <i>Sustainable Chemistry and Pharmacy</i> , 2021, 24, 100522.	1.6	18
13	<i>Phlebia gigantea</i> cells immobilized on renewable biomass matrix as potential ecofriendly scavenger for lead contamination. <i>Environmental Science and Pollution Research</i> , 2020, 27, 16177-16188.	2.7	6
14	A passively immobilized novel biomagsorbent for the effective biosorptive treatment of dye contamination. <i>Environmental Science and Pollution Research</i> , 2019, 26, 25834-25843.	2.7	8
15	Biosorptive detoxification of zearalenone biotoxin by surface-modified renewable biomass: process dynamics and application. <i>Journal of the Science of Food and Agriculture</i> , 2019, 99, 1850-1861.	1.7	12
16	Conversion of natural mineral to effective geosorbent by coating $\text{MnO}_2$ and its application potential for dye contaminated wastewaters. <i>Journal of Cleaner Production</i> , 2018, 189, 887-897.	4.6	18
17	Biosorption of Basic Blue 7 by fungal cells immobilized on the green-type biomatrix of <i>Phragmites australis</i> spongy tissue. <i>International Journal of Phytoremediation</i> , 2018, 20, 145-152.	1.7	18
18	Process design and potential use of a regenerable biomagsorbent for effective decolorization process. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018, 93, 554-565.	2.7	9

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19	Anionically reinforced hydrogel network entrapped fungal cells for retention of cadmium in the contaminated aquatic media. <i>Journal of Environmental Management</i> , 2017, 204, 583-593.	3.8	9
20	The feasibility of <i>Thamnidium elegans</i> cells for color removal from real wastewater. <i>Chemical Engineering Research and Design</i> , 2017, 105, 316-325.	2.7	8
21	Biosorption potential of surface-modified waste sugar beet pulp for the removal of Reactive Yellow 2 (RY2) anionic dye. <i>Turkish Journal of Chemistry</i> , 2016, 40, 1044-1054.	0.5	4
22	Removal of Cadmium and Manganese by an Ecofriendly Biomass. <i>Clean - Soil, Air, Water</i> , 2016, 44, 202-210.	0.7	9
23	Surface-modified scarlet firethorn: an eco-friendly and effective dye remover with excellent regeneration potential. <i>Desalination and Water Treatment</i> , 2016, 57, 5546-5553.	1.0	3
24	Chitosan-alunite composite: An effective dye remover with high sorption, regeneration and application potential. <i>Carbohydrate Polymers</i> , 2016, 143, 318-326.	5.1	46
25	Treatment design and characteristics of a biosorptive decolorization process by a green type sorbent. <i>Journal of Cleaner Production</i> , 2016, 112, 4844-4853.	4.6	10
26	Effective biodecolorization potential of surface modified lignocellulosic industrial waste biomass. <i>Chemical Engineering Journal</i> , 2015, 259, 286-292.	6.6	22
27	Multivariate optimization of the decolorization process by surface modified biomaterial: Box-Behnken design and mechanism analysis. <i>Environmental Science and Pollution Research</i> , 2014, 21, 13055-13068.	2.7	19
28	Effective decolorization potential of <i>Thamnidium elegans</i> : Biosorption optimization, modelling, characterization and application studies. <i>Chemical Engineering Journal</i> , 2013, 221, 461-468.	6.6	18
29	On the utilization of a lignocellulosic waste as an excellent dye remover: Modification, characterization and mechanism analysis. <i>Chemical Engineering Journal</i> , 2013, 229, 257-266.	6.6	39
30	Characterization and application of plant-based magnetic biomaterial for batch and fixed-bed mode sequestration of lead from synthetic and real effluents. <i>Ecological Engineering</i> , 2013, 61, 251-257.	1.6	6
31	Removal of Pb <sup>2+</sup> ions from contaminated solutions by microbial composite: Combined action of a soilborne fungus <i>Mucor plumbeus</i> and alunite matrix. <i>Chemical Engineering Journal</i> , 2013, 215-216, 626-634.	6.6	12
32	Utilization of <i>Thamnidium elegans</i> fungal culture in environmental cleanup: A reactive dye biosorption study. <i>Ecological Engineering</i> , 2013, 58, 363-370.	1.6	41
33	Improved biosorption potential of <i>Thuja orientalis</i> cone powder for the biosorptive removal of Basic Blue 9. <i>Carbohydrate Polymers</i> , 2013, 94, 400-408.	5.1	24
34	Chemical modification of a plant origin biomass using cationic surfactant ABDAC and the biosorptive decolorization of RR45 containing solutions. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 101, 307-314.	2.5	20
35	Nickel removal characteristics of an immobilized macro fungus: equilibrium, kinetic and mechanism analysis of the biosorption. <i>Journal of Chemical Technology and Biotechnology</i> , 2013, 88, 680-689.	1.6	36
36	Dithiocarbamated <i>Symphoricarpus albus</i> as a potential biosorbent for a reactive dye. <i>Chemical Engineering Journal</i> , 2012, 211-212, 442-452.	6.6	20

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37	Biosorption potential of the waste biomaterial obtained from Cucumis melo for the removal of Pb <sup>2+</sup> ions from aqueous media: Equilibrium, kinetic, thermodynamic and mechanism analysis. Chemical Engineering Journal, 2012, 185-186, 82-90.	6.6	52
38	Efficient biosorption of a reactive dye from contaminated media by <i>Neurospora sitophila</i> cells and <i>Zea mays</i> silk tissue biomass system. Journal of Chemical Technology and Biotechnology, 2011, 86, 1332-1341.	1.6	16
39	Decolorization of Reactive Blue 49 contaminated solutions by Capsicum annum seeds: Batch and continuous mode biosorption applications. Chemical Engineering Journal, 2011, 168, 125-133.	6.6	65
40	Biosorption applications of modified fungal biomass for decolorization of Reactive Red 2 contaminated solutions: Batch and dynamic flow mode studies. Bioresource Technology, 2010, 101, 7271-7277.	4.8	63
41	Biosorption performance of surface modified biomass obtained from Pyracantha coccinea for the decolorization of dye contaminated solutions. Chemical Engineering Journal, 2010, 160, 466-472.	6.6	52
42	Decolorization of a textile dye, reactive red 198 (rr198), by Aspergillus parasiticus fungal biosorbent. Brazilian Journal of Chemical Engineering, 2009, 26, 399-405.	0.7	40
43	Removal of copper(II) ions from synthetic solution and real wastewater by the combined action of dried Trametes versicolor cells and montmorillonite. Hydrometallurgy, 2009, 97, 98-104.	1.8	94
44	Enhanced biosorption of nickel(II) ions by silica-gel-immobilized waste biomass: Biosorption characteristics in batch and dynamic flow mode. Journal of Hazardous Materials, 2009, 163, 1134-1141.	6.5	107
45	Investigation of the biosorption characteristics of lead(II) ions onto Symphoricarpos albus: Batch and dynamic flow studies. Journal of Hazardous Materials, 2009, 165, 126-133.	6.5	69
46	An attractive agro-industrial by-product in environmental cleanup: Dye biosorption potential of untreated olive pomace. Journal of Hazardous Materials, 2009, 166, 1217-1225.	6.5	101
47	Assessment of the biosorption characteristics of a macro-fungus for the decolorization of Acid Red 44 (AR44) dye. Journal of Hazardous Materials, 2009, 171, 865-871.	6.5	55
48	Biosorption of Reactive Blue 49 dye under batch and continuous mode using a mixed biosorbent of macro-fungus Agaricus bisporus and Thuja orientalis cones. Chemical Engineering Journal, 2009, 148, 26-34.	6.6	88
49	Biosorption of lead(II) ions onto waste biomass of Phaseolus vulgaris L.: estimation of the equilibrium, kinetic and thermodynamic parameters. Desalination, 2009, 244, 188-198.	4.0	54
50	Biosorption of a reactive textile dye from aqueous solutions utilizing an agro-waste. Desalination, 2009, 249, 757-761.	4.0	135
51	Assessment of cationic dye biosorption characteristics of untreated and non-conventional biomass: Pyracantha coccinea berries. Journal of Hazardous Materials, 2009, 168, 1302-1309.	6.5	67
52	Biosorption of a textile dye (Acid Blue 40) by cone biomass of Thuja orientalis: Estimation of equilibrium, thermodynamic and kinetic parameters. Bioresource Technology, 2008, 99, 3057-3065.	4.8	127
53	Batch and Dynamic Flow Biosorption Potential of <i>Agaricus bisporus/Thuja orientalis</i> Biomass Mixture for Decolorization of RR45 Dye. Industrial & Engineering Chemistry Research, 2008, 47, 9715-9723.	1.8	15
54	Utilization of the <i>Phaseolus vulgaris</i> L. Waste biomass for decolorization of the textile dye Acid Red 57: determination of equilibrium, kinetic and thermodynamic parameters. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2007, 42, 591-600.	0.9	34

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55	Adsorption Potential of Lead(II) Ions from Aqueous Solutions onto Capsicum annum Seeds. Separation Science and Technology, 2007, 42, 137-151.	1.3	26
56	Biosorption of Pb(II) by industrial strain of Saccharomyces cerevisiae immobilized on the biomatrix of cone biomass of Pinus nigra: Equilibrium and mechanism analysis. Chemical Engineering Journal, 2007, 131, 293-300.	6.6	111
57	Study on the characterization of lead (II) biosorption by fungus Aspergillus parasiticus. Applied Biochemistry and Biotechnology, 2007, 136, 389-405.	1.4	65
58	Cadmium exposure from the cement dust emissions: A field study in a rural residence. Chemosphere, 2006, 63, 1546-1552.	4.2	49
59	Biosorption kinetics and isotherm studies of Acid Red 57 by dried Cephalosporium aphidicola cells from aqueous solutions. Biochemical Engineering Journal, 2006, 31, 197-203.	1.8	131
60	Biosorption characteristics of Aspergillus flavus biomass for removal of Pb(II) and Cu(II) ions from an aqueous solution. Bioresource Technology, 2006, 97, 1780-1787.	4.8	195
61	Equilibrium and kinetics of biosorption of lead(II) from aqueous solutions by Cephalosporium aphidicola. Separation and Purification Technology, 2006, 47, 105-112.	3.9	238
62	Biosorption characteristics of Bacillus sp. ATS-2 immobilized in silica gel for removal of Pb(II). Journal of Hazardous Materials, 2006, 136, 317-323.	6.5	80
63	Removal of lead and copper ions from aqueous solutions by bacterial strain isolated from soil. Chemical Engineering Journal, 2006, 115, 203-211.	6.6	315
64	Zn(II) biosorption properties of Botrytis cinerea biomass. Journal of Hazardous Materials, 2006, 131, 137-145.	6.5	101
65	Biosorption potential of Neurospora crassa cells for decolorization of Acid Red 57 (AR57) dye. Journal of Chemical Technology and Biotechnology, 2006, 81, 1100-1106.	1.6	60
66	Biosorption Potential of the Macrofungus Ganoderma carnosum for Removal of Lead(II) Ions from Aqueous Solutions. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2006, 41, 2587-2606.	0.9	18
67	Synthesis and Evaluation of Demethoxyviridin Derivatives as Potential Antimicrobials. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 2005, 60, 686-692.	0.6	1
68	Biosorption of Pb(II) and Cu(II) from aqueous solutions by pretreated biomass of Neurospora crassa. Process Biochemistry, 2005, 40, 3550-3558.	1.8	119
69	Determination of the equilibrium, kinetic and thermodynamic parameters of adsorption of copper(II) ions onto seeds of. Journal of Hazardous Materials, 2005, 124, 200-208.	6.5	259
70	Botrytis cinerea as a new fungal biosorbent for removal of Pb(II) from aqueous solutions. Biochemical Engineering Journal, 2005, 25, 227-235.	1.8	126
71	Chromium(VI) biosorption characteristics of Neurospora crassa fungal biomass. Minerals Engineering, 2005, 18, 681-689.	1.8	130
72	Biosorption performance of Botrytis cinerea fungal by-products for removal of Cd(II) and Cu(II) ions from aqueous solutions. Minerals Engineering, 2005, 18, 1099-1109.	1.8	139

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73	Biotransformation of racemic diisophorone by <i>Cephalosporium aphidicola</i> and <i>Neurospora crassa</i> . <i>Biotechnology Letters</i> , 2005, 27, 1007-1010.	1.1	10
74	Nickel and Cadmium Concentrations in Plasma and Na <sup>+</sup> /K <sup>+</sup> ATPase Activities in Erythrocyte Membranes of the People Exposed to Cement Dust Emissions. <i>Environmental Monitoring and Assessment</i> , 2005, 104, 437-444.	1.3	10
75	Nickel Exposure and its Effects. <i>BioMetals</i> , 2005, 18, 7-13.	1.8	20
76	Effects of chromium exposure from a cement factory. <i>Environmental Research</i> , 2003, 91, 113-118.	3.7	46