

Sibel Tunali Akar

List of Publications by Year in descending order

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80
papers

4,577
citations

108046

37
h-index

116156

66
g-index

81
all docs

81
docs citations

81
times ranked

4553
citing authors

#	ARTICLE	IF	CITATIONS
1	Gel-entrapped biomass of <i>Lactarius salmonicolor</i> for the effective treatment of aquatic Co^{2+} and 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 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 Fe_3O_4 functionalization of olive pomace: An ecofriendly and recyclable 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	A Natural Montmorillonite-Based Magsorbent as an Effective Scavenger for Cadmium Contamination. <i>Water, Air, and Soil Pollution</i> , 2020, 231, 1.	1.1	7
14	<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
15	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
16	A novel sorbent for removal of reactive textile dye: TDPA-KCl. <i>Environmental Science and Pollution Research</i> , 2019, 26, 23279-23291.	2.7	6
17	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
18	Conversion of natural mineral to effective geosorbent by coating MnO_2 and its application potential for dye contaminated wastewaters. <i>Journal of Cleaner Production</i> , 2018, 189, 887-897.	4.6	18

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19	Study on the performance of metakaolin based geopolymer for Mn(II) and Co(II) removal. <i>Applied Clay Science</i> , 2018, 161, 184-193.	2.6	98
20	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
21	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
22	Metakaolin based geopolymer as an effective adsorbent for adsorption of zinc(II) and nickel(II) ions from aqueous solutions. <i>Applied Clay Science</i> , 2017, 139, 54-63.	2.6	152
23	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
24	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
25	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
26	Removal of Cadmium and Manganese by an Ecofriendly Biomass. <i>Clean - Soil, Air, Water</i> , 2016, 44, 202-210.	0.7	9
27	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
28	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
29	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
30	Effective biodecolorization potential of surface modified lignocellulosic industrial waste biomass. <i>Chemical Engineering Journal</i> , 2015, 259, 286-292.	6.6	22
31	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
32	Enhanced adsorption of Acid Red 88 by an excellent adsorbent prepared from alunite. <i>Journal of Chemical Technology and Biotechnology</i> , 2013, 88, 293-304.	1.6	27
33	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
34	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
35	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
36	Removal of Pb ²⁺ 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

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37	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
38	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
39	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
40	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
41	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
42	Ammonium pyrrolidine dithiocarbamate anchored <i>Symphoricarpus albus</i> biomass for lead(II) removal: Batch and column biosorption study. <i>Journal of Hazardous Materials</i> , 2012, 227-228, 107-117.	6.5	16
43	Biosorption potential of the waste biomaterial obtained from <i>Cucumis melo</i> for the removal of Pb ²⁺ ions from aqueous media: Equilibrium, kinetic, thermodynamic and mechanism analysis. <i>Chemical Engineering Journal</i> , 2012, 185-186, 82-90.	6.6	52
44	Decolorization of Reactive Blue 49 contaminated solutions by <i>Capsicum annum</i> seeds: Batch and continuous mode biosorption applications. <i>Chemical Engineering Journal</i> , 2011, 168, 125-133.	6.6	65
45	Untreated clay with high adsorption capacity for effective removal of C.I. Acid Red 88 from aqueous solutions: Batch and dynamic flow mode studies. <i>Chemical Engineering Journal</i> , 2010, 162, 591-598.	6.6	79
46	Determination of Copper in Water Samples after Solid-Phase Extraction Using Dimethylglyoxime-Modified Silica. <i>Clean - Soil, Air, Water</i> , 2010, 38, 344-352.	0.7	21
47	Biosorption performance of surface modified biomass obtained from <i>Pyracantha coccinea</i> for the decolorization of dye contaminated solutions. <i>Chemical Engineering Journal</i> , 2010, 160, 466-472.	6.6	52
48	Phosphate removal potential of the adsorbent material prepared from thermal decomposition of alunite ore-KCl mixture in environmental cleanup. <i>Desalination</i> , 2010, 260, 107-113.	4.0	10
49	Decolorization of a textile dye, reactive red 198 (rr198), by <i>Aspergillus parasiticus</i> fungal biosorbent. <i>Brazilian Journal of Chemical Engineering</i> , 2009, 26, 399-405.	0.7	40
50	Removal of copper(II) ions from synthetic solution and real wastewater by the combined action of dried <i>Trametes versicolor</i> cells and montmorillonite. <i>Hydrometallurgy</i> , 2009, 97, 98-104.	1.8	94
51	Enhanced biosorption of nickel(II) ions by silica-gel-immobilized waste biomass: Biosorption characteristics in batch and dynamic flow mode. <i>Journal of Hazardous Materials</i> , 2009, 163, 1134-1141.	6.5	107
52	Investigation of the biosorption characteristics of lead(II) ions onto <i>Symphoricarpus albus</i> : Batch and dynamic flow studies. <i>Journal of Hazardous Materials</i> , 2009, 165, 126-133.	6.5	69
53	An attractive agro-industrial by-product in environmental cleanup: Dye biosorption potential of untreated olive pomace. <i>Journal of Hazardous Materials</i> , 2009, 166, 1217-1225.	6.5	101
54	Assessment of the biosorption characteristics of a macro-fungus for the decolorization of Acid Red 44 (AR44) dye. <i>Journal of Hazardous Materials</i> , 2009, 171, 865-871.	6.5	55

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55	Biosorption of Reactive Blue 49 dye under batch and continuous mode using a mixed biosorbent of macro-fungus <i>Agaricus bisporus</i> and <i>Thuja orientalis</i> cones. <i>Chemical Engineering Journal</i> , 2009, 148, 26-34.	6.6	88
56	Removal of chromium (VI) ions from aqueous solutions by using Turkish montmorillonite clay: effect of activation and modification. <i>Desalination</i> , 2009, 244, 97-108.	4.0	104
57	Biosorption of lead(II) ions onto waste biomass of <i>Phaseolus vulgaris</i> L.: estimation of the equilibrium, kinetic and thermodynamic parameters. <i>Desalination</i> , 2009, 244, 188-198.	4.0	54
58	Biosorption of a reactive textile dye from aqueous solutions utilizing an agro-waste. <i>Desalination</i> , 2009, 249, 757-761.	4.0	135
59	Assessment of cationic dye biosorption characteristics of untreated and non-conventional biomass: <i>Pyraecanthia coccinea</i> berries. <i>Journal of Hazardous Materials</i> , 2009, 168, 1302-1309.	6.5	67
60	Adsorption characteristics of lead(II) ions onto the clay/poly(methoxyethyl)acrylamide (PMEA) composite from aqueous solutions. <i>Desalination</i> , 2008, 223, 308-322.	4.0	171
61	Biosorption of a textile dye (Acid Blue 40) by cone biomass of <i>Thuja orientalis</i> : Estimation of equilibrium, thermodynamic and kinetic parameters. <i>Bioresource Technology</i> , 2008, 99, 3057-3065.	4.8	127
62	Batch and Dynamic Flow Biosorption Potential of <i>Agaricus bisporus/Thuja orientalis</i> Biomass Mixture for Decolorization of RR45 Dye. <i>Industrial & Engineering Chemistry Research</i> , 2008, 47, 9715-9723.	1.8	15
63	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. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2007, 42, 591-600.	0.9	34
64	Adsorption Potential of Lead(II) Ions from Aqueous Solutions onto <i>Capsicum annum</i> Seeds. <i>Separation Science and Technology</i> , 2007, 42, 137-151.	1.3	26
65	Biosorption of Pb(II) by industrial strain of <i>Saccharomyces cerevisiae</i> immobilized on the biomatrix of cone biomass of <i>Pinus nigra</i> : Equilibrium and mechanism analysis. <i>Chemical Engineering Journal</i> , 2007, 131, 293-300.	6.6	111
66	Study on the characterization of lead (II) biosorption by fungus <i>Aspergillus parasiticus</i> . <i>Applied Biochemistry and Biotechnology</i> , 2007, 136, 389-405.	1.4	65
67	Biosorption kinetics and isotherm studies of Acid Red 57 by dried <i>Cephalosporium aphidicola</i> cells from aqueous solutions. <i>Biochemical Engineering Journal</i> , 2006, 31, 197-203.	1.8	131
68	Biosorption characteristics of <i>Aspergillus flavus</i> biomass for removal of Pb(II) and Cu(II) ions from an aqueous solution. <i>Bioresource Technology</i> , 2006, 97, 1780-1787.	4.8	195
69	Equilibrium and kinetics of biosorption of lead(II) from aqueous solutions by <i>Cephalosporium aphidicola</i> . <i>Separation and Purification Technology</i> , 2006, 47, 105-112.	3.9	238
70	Kinetics and equilibrium studies for the adsorption of Acid Red 57 from aqueous solutions onto calcined-alunite. <i>Journal of Hazardous Materials</i> , 2006, 135, 141-148.	6.5	83
71	Biosorption characteristics of <i>Bacillus</i> sp. ATS-2 immobilized in silica gel for removal of Pb(II). <i>Journal of Hazardous Materials</i> , 2006, 136, 317-323.	6.5	80
72	Removal of lead and copper ions from aqueous solutions by bacterial strain isolated from soil. <i>Chemical Engineering Journal</i> , 2006, 115, 203-211.	6.6	315

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73	Zn(II) biosorption properties of <i>Botrytis cinerea</i> biomass. <i>Journal of Hazardous Materials</i> , 2006, 131, 137-145.	6.5	101
74	Biosorption potential of <i>Neurospora crassa</i> cells for decolorization of Acid Red 57 (AR57) dye. <i>Journal of Chemical Technology and Biotechnology</i> , 2006, 81, 1100-1106.	1.6	60
75	Biosorption Potential of the Macrofungus <i>Ganoderma carnosum</i> for Removal of Lead(II) Ions from Aqueous Solutions. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2006, 41, 2587-2606.	0.9	18
76	Biosorption of Pb(II) and Cu(II) from aqueous solutions by pretreated biomass of <i>Neurospora crassa</i> . <i>Process Biochemistry</i> , 2005, 40, 3550-3558.	1.8	119
77	Determination of the equilibrium, kinetic and thermodynamic parameters of adsorption of copper(II) ions onto seeds of. <i>Journal of Hazardous Materials</i> , 2005, 124, 200-208.	6.5	259
78	<i>Botrytis cinerea</i> as a new fungal biosorbent for removal of Pb(II) from aqueous solutions. <i>Biochemical Engineering Journal</i> , 2005, 25, 227-235.	1.8	126
79	Chromium(VI) biosorption characteristics of <i>Neurospora crassa</i> fungal biomass. <i>Minerals Engineering</i> , 2005, 18, 681-689.	1.8	130
80	Biosorption performance of <i>Botrytis cinerea</i> fungal by-products for removal of Cd(II) and Cu(II) ions from aqueous solutions. <i>Minerals Engineering</i> , 2005, 18, 1099-1109.	1.8	139