

# Yesim Sag Acikel

## List of Publications by Year in descending order

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54  
papers

2,836  
citations

186265

28  
h-index

197818

49  
g-index

55  
all docs

55  
docs citations

55  
times ranked

2484  
citing authors

#	ARTICLE	IF	CITATIONS
1	Kinetic studies on sorption of Cr(VI) and Cu(II) ions by chitin, chitosan and <i>Rhizopus arrhizus</i> . <i>Biochemical Engineering Journal</i> , 2002, 12, 143-153.	3.6	261
2	A comparative study of various biosorbents for removal of chromium(VI) ions from industrial waste waters. <i>Process Biochemistry</i> , 1994, 29, 1-5.	3.7	222
3	The biosorption of copper by <i>C. vulgaris</i> and <i>Z. ramigera</i> . <i>Environmental Technology (United Kingdom)</i> , 1992, 13, 579-586.	2.2	175
4	Determination of the biosorption heats of heavy metal ions on <i>Zoogloea ramigera</i> and <i>Rhizopus arrhizus</i> . <i>Biochemical Engineering Journal</i> , 2000, 6, 145-151.	3.6	167
5	BIOSORPTION OF HEAVY METALS BY FUNGAL BIOMASS AND MODELING OF FUNGAL BIOSORPTION: A REVIEW. <i>Separation and Purification Reviews</i> , 2001, 30, 1-48.	0.8	134
6	Mass transfer and equilibrium studies for the sorption of chromium ions onto chitin. <i>Process Biochemistry</i> , 2000, 36, 157-173.	3.7	131
7	The selective biosorption of chromium(VI) and copper(II) ions from binary metal mixtures by <i>R. arrhizus</i> . <i>Process Biochemistry</i> , 1996, 31, 561-572.	3.7	115
8	Fully competitive biosorption of chromium(VI) and iron(III) ions from binary metal mixtures by <i>R. arrhizus</i> : Use of the competitive langmuir model. <i>Process Biochemistry</i> , 1996, 31, 573-585.	3.7	87
9	The simultaneous biosorption of Cu(II) and Zn on <i>Rhizopus arrhizus</i> : application of the adsorption models. <i>Hydrometallurgy</i> , 1998, 50, 297-314.	4.3	84
10	Recent trends in the biosorption of heavy metals: A review. <i>Biotechnology and Bioprocess Engineering</i> , 2001, 6, 376-385.	2.6	80
11	Sorption of Cd(II) onto kaolin as a soil component and desorption of Cd(II) from kaolin using rhamnolipid biosurfactant. <i>Journal of Hazardous Materials</i> , 2007, 139, 50-56.	12.4	80
12	Application of equilibrium and mass transfer models to dynamic removal of Cr(VI) ions by Chitin in packed column reactor. <i>Process Biochemistry</i> , 2001, 36, 1187-1197.	3.7	76
13	Biosorption of heavy metals by <i>Zoogloea ramigera</i> : use of adsorption isotherms and a comparison of biosorption characteristics. <i>The Chemical Engineering Journal and the Biochemical Engineering Journal</i> , 1995, 60, 181-188.	0.1	73
14	Optimization of critical medium components using response surface methodology for lipase production by <i>Rhizopus delemar</i> . <i>Food and Bioprocess Processing</i> , 2010, 88, 31-39.	3.6	70
15	A comparative study for the sorption of Cd(II) by soils with different clay contents and mineralogy and the recovery of Cd(II) using rhamnolipid biosurfactant. <i>Journal of Hazardous Materials</i> , 2008, 154, 663-673.	12.4	69
16	Determination of the biosorption activation energies of heavy metal ions on <i>Zoogloea ramigera</i> and <i>Rhizopus arrhizus</i> . <i>Process Biochemistry</i> , 2000, 35, 801-807.	3.7	64
17	A comparative study for the simultaneous biosorption of Cr(VI) and Fe(III) on <i>C. vulgaris</i> and <i>R. arrhizus</i> : application of the competitive adsorption models. <i>Process Biochemistry</i> , 1998, 33, 273-281.	3.7	60
18	Investigation of sorption/desorption equilibria of heavy metal ions on/from quartz using rhamnolipid biosurfactant. <i>Journal of Environmental Management</i> , 2010, 91, 724-731.	7.8	57

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19	Ternary biosorption equilibria of chromium(VI), copper(II), and cadmium(II) on <i>Rhizopus arrhizus</i> . <i>Separation Science and Technology</i> , 2002, 37, 279-309.	2.5	55
20	Biosorption of Pb(II) and Cu(II) by activated sludge in batch and continuous-flow stirred reactors. <i>Bioresource Technology</i> , 2003, 87, 27-33.	9.6	54
21	A comparative study for the sorption of Cd(II) by K-feldspar and sepiolite as soil components, and the recovery of Cd(II) using rhamnolipid biosurfactant. <i>Journal of Environmental Management</i> , 2008, 88, 383-392.	7.8	53
22	Evaluation, interpretation, and representation of three-metal biosorption equilibria using a fungal biosorbent. <i>Process Biochemistry</i> , 2001, 37, 35-50.	3.7	51
23	A Comparative Study of the Biosorption of Lead(II) Ions to <i>Z. ramigera</i> and <i>R. arrhizus</i> . <i>Process Biochemistry</i> , 1995, 30, 169-174.	0.2	43
24	A comparative study of the adsorption of chromium(VI) ions to <i>C. vulgaris</i> and <i>Z. ramigera</i> . <i>Environmental Technology (United Kingdom)</i> , 1990, 11, 33-40.	2.2	42
25	Equilibrium parameters for the single- and multicomponent biosorption of Cr(VI) and Fe(III) ions on <i>R. arrhizus</i> in a packed column. <i>Hydrometallurgy</i> , 2000, 55, 165-179.	4.3	38
26	Removal of tetracycline by magnetic chitosan nanoparticles from medical wastewaters. , 0, 73, 380-388.		38
27	Removal of zinc ions from a soil component Na-feldspar by a rhamnolipid biosurfactant. <i>Desalination</i> , 2008, 223, 361-365.	8.2	35
28	Use of a mathematical model for prediction of the performance of the simultaneous biosorption of Cr(VI) and Fe(III) on <i>Rhizopus arrhizus</i> in a semi-batch reactor. <i>Hydrometallurgy</i> , 2001, 59, 77-87.	4.3	34
29	Comparison of Ca-alginate and Immobilized <i>Z. ramigera</i> as Sorbents for Copper(II) Removal. <i>Process Biochemistry</i> , 1995, 30, 175-181.	0.2	32
30	The simultaneous biosorption process of lead(II) and nickel(II) on <i>Rhizopus arrhizus</i> . <i>Process Biochemistry</i> , 1997, 32, 591-597.	3.7	30
31	Lead, copper and zinc biosorption from bicomponent systems modelled by empirical Freundlich isotherm. <i>Applied Microbiology and Biotechnology</i> , 2000, 53, 338-341.	3.6	28
32	The simultaneous biosorption of Cr(VI), Fe(III) and Cu(II) on <i>Rhizopus arrhizus</i> . <i>Process Biochemistry</i> , 1998, 33, 571-579.	3.7	27
33	Application of adsorption isotherms to chromium adsorption on <i>Z. ramigera</i> . <i>Biotechnology Letters</i> , 1989, 11, 141-144.	2.2	25
34	The use of <i>Zoogloea ramigera</i> in waste water treatment containing Cr(VI) and Cd(II) ions. <i>Biotechnology Letters</i> , 1989, 11, 145-148.	2.2	24
35	Biosorption of Lead(II), Nickel(II), and Copper(II) on <i>Rhizopus arrhizus</i> from Binary and Ternary Metal Mixtures. <i>Separation Science and Technology</i> , 2000, 35, 2601-2617.	2.5	24
36	Mono and multi-component biosorption of heavy metal ions on <i>Rhizopus arrhizus</i> in a CFST. <i>Process Biochemistry</i> , 2000, 35, 787-799.	3.7	22

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37	Loading of cancer drug resveratrol to pH-Sensitive, smart, alginate-chitosan hydrogels and investigation of controlled release kinetics. <i>Journal of Drug Delivery Science and Technology</i> , 2019, 53, 101199.	3.0	22
38	Synthesis and characterization of magnetic halloysite@chitosan nanocomposites: use in the removal of methylene blue in wastewaters. <i>International Journal of Environmental Science and Technology</i> , 2020, 17, 1281-1294.	3.5	21
39	Equilibrium, hysteresis and kinetics of cadmium desorption from sodium-feldspar using rhamnolipid biosurfactant. <i>Environmental Technology (United Kingdom)</i> , 2012, 33, 1857-1868.	2.2	20
40	A COMPARATIVE STUDY FOR THE SORPTION OF Cu(II) IONS BY CHITIN AND CHITOSAN: APPLICATION OF EQUILIBRIUM AND MASS TRANSFER MODELS. <i>Separation Science and Technology</i> , 2002, 37, 2801-2822.	2.5	16
41	Use of Biosurfactants in the Removal of Heavy Metal Ions from Soils. <i>Environmental Pollution</i> , 2011, , 183-223.	0.4	15
42	Simultaneous Biosorption of Chromium(VI) and Copper(II) on Rhizopus Arrhizus in Packed Column Reactor: Application of the Competitive Freundlich Mode. <i>Separation Science and Technology</i> , 1999, 34, 3155-3171.	2.5	12
43	Application of multicomponent adsorption models to the biosorption of CR(VI), CU(II), and CD(II) ions on rhizopus arrhizus from ternary metal mixtures. <i>Chemical Engineering Communications</i> , 2003, 190, 797-812.	2.6	12
44	Synthesis and Characterization of Magnetic Halloysite@Alginate Beads for the Removal of Lead(II) Ions from Aqueous Solutions. <i>Journal of Polymers and the Environment</i> , 2019, 27, 1971-1987.	5.0	12
45	Copper(II) and nickel(II) adsorption by Rhizopus arrhizus in batch stirred reactors in series. <i>The Chemical Engineering Journal and the Biochemical Engineering Journal</i> , 1995, 58, 265-273.	0.1	10
46	Removal of Methyl Red, a cationic dye, Acid Blue 113, an anionic dye, from wastewaters using chitin and chitosan: influence of copper ions. , 0, 73, 289-300.		10
47	The effects of the composition of growth medium and fermentation conditions on the production of lipase by R. delemar. <i>Turkish Journal of Biology</i> , 0, , .	0.8	9
48	Investigation of tetracycline removal from aqueous solutions using halloysite/chitosan nanocomposites and halloysite nanotubes/alginate hydrogel beads. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2021, 16, 100576.	2.9	7
49	Investigation of antagonistic and synergistic interactions on simultaneous adsorption of crystal violet and Cu(II) using chitin and chitosan. <i>Desalination and Water Treatment</i> , 2016, 57, 4059-4072.	1.0	5
50	An overview of the studies about heavy metal adsorption process by microorganisms on the lab. scale in Turkey. <i>Process Metallurgy</i> , 1999, 9, 307-316.	0.1	2
51	Multi-component biosorption of lead, copper and zinc ions on R. arrhizus. <i>Process Metallurgy</i> , 1999, 9, 399-408.	0.1	1
52	Simultaneous copper bioaccumulation, growth and lipase production of <i>Rhizopus delemar</i> in molasses medium: optimisation of environmental conditions using RSM. <i>Chemistry and Ecology</i> , 2014, 30, 39-51.	1.6	1
53	Investigation of mutual interactions of physicochemical parameters on simultaneous Zn(II) bioaccumulation and lipase production of <i>R. delemar</i> . <i>Desalination and Water Treatment</i> , 2015, 53, 3543-3556.	1.0	1
54	Effects of stirring and aeration rates on lipase production and growth of R. delemar. <i>New Biotechnology</i> , 2012, 29, S195-S196.	4.4	0