Melek Sacan

List of Publications by Citations

39 papers	676 citations	16 h-index	25 g-index
39 ext. papers	748 ext. citations	5.4 avg, IF	4.42 L-index

#	Paper	IF	Citations
39	Single and mixture toxicity of pharmaceuticals and chlorophenols to freshwater algae Chlorella vulgaris. *Ecotoxicology and Environmental Safety*, **2016**, 129, 189-98	7	86
38	Exposure of Dunaliella tertiolecta to lead and aluminum: toxicity and effects on ultrastructure. *Biological Trace Element Research*, **2007**, 120, 264-72	4.5	53
37	Homogenous and heterogenous advanced oxidation of two commercial reactive dyes. *Environmental Technology (United Kingdom)*, **2001**, 22, 813-22	2.6	49
36	On the aquatic toxicity of substituted phenols to Chlorella vulgaris: QSTR with an extended novel data set and interspecies models. *Journal of Hazardous Materials*, **2017**, 339, 122-130	12.8	36
35	Renewable fuels from pyrolysis of Dunaliella tertiolecta: An alternative approach to biochemical conversions of microalgae. *Energy*, **2017**, 120, 907-914	7.9	35
34	Merits of ozonation and catalytic ozonation pre-treatment in the algal treatment of pulp and paper mill effluents. *Journal of Environmental Management*, **2007**, 85, 918-26	7.9	35
33	Quantitative structure-activity relationships (QSARs) using the novel marine algal toxicity data of phenols. *Journal of Molecular Graphics and Modelling*, **2012**, 38, 90-100	2.8	30
32	First toxicity data of chlorophenols on marine alga Dunaliella tertiolecta: correlation of marine algal toxicity with hydrophobicity and interspecies toxicity relationships. *Environmental Toxicology and Chemistry*, **2012**, 31, 1113-20	3.8	30
31	QSTR modelling of the acute toxicity of pharmaceuticals to fish. *SAR and QSAR in Environmental Research*, **2012**, 23, 297-310	3.5	25
30	Assessment and modeling of the novel toxicity data set of phenols to Chlorella vulgaris. *Ecotoxicology and Environmental Safety*, **2013**, 90, 61-8	7	24
29	QSPR study on the bioconcentration factors of nonionic organic compounds in fish by characteristic root index and semiempirical molecular descriptors. *Journal of Chemical Information and Computer Sciences*, **2004**, 44, 985-92		24
28	Bacterial cellulose production by Komagataeibacter hansenii using algae-based glucose. *Environmental Science and Pollution Research*, **2017**, 24, 11154-11162	5.1	23
27	Physico-chemical properties of PCDD/PCDFs and phthalate esters. *SAR and QSAR in Environmental Research*, **2005**, 16, 443-59	3.5	22
26	Toxicity of contaminants of emerging concern to Dugesia japonica: QSTR modeling and toxicity relationship with Daphnia magna. *Journal of Hazardous Materials*, **2018**, 351, 20-28	12.8	20
25	Water quality and heavy metal monitoring in water and sediment samples of the K□□kmece Lagoon, Turkey (2002-2003). *Environmental Monitoring and Assessment*, **2009**, 151, 345-62	3.1	17
24	Investigation on the aromaticity of 1,3,4-thiadiazole-2-thione and its oxygen analogs including their tautomeric forms. *Computational and Theoretical Chemistry*, **2005**, 726, 233-243		17
23	A case study on algal response to raw and treated effluents from an aluminum plating plant and a pharmaceutical plant. *Ecotoxicology and Environmental Safety*, **2006**, 64, 234-43	7	16

22	A multipronged QSAR approach to predict algal low-toxic-effect concentrations of substituted phenols and anilines. *Journal of Hazardous Materials*, **2018**, 344, 893-901	12.8	15
21	Application of the characteristic root index model to the estimation of N-octanol/water partition coefficients. polychlorinated biphenyls. *Chemosphere*, **1995**, 30, 39-50	8.4	13
20	Prediction of the soil sorption coefficient of organic pollutants by the characteristic root index model. *Chemosphere*, **1996**, 32, 1993-2001	8.4	13
19	QSPR analysis of the toxicity of aromatic compounds to the algae (Scenedesmus obliquus). *Chemosphere*, **2007**, 68, 695-702	8.4	11
18	QSAR models for antioxidant activity of new coumarin derivatives. *SAR and QSAR in Environmental Research*, **2015**, 26, 721-37	3.5	9
17	Impact of geometry optimization methods on QSAR modelling: A case study for predicting human serum albumin binding affinity. *SAR and QSAR in Environmental Research*, **2017**, 28, 491-509	3.5	9
16	An in silico algal toxicity model with a wide applicability potential for industrial chemicals and pharmaceuticals. *Environmental Toxicology and Chemistry*, **2017**, 36, 1012-1019	3.8	9
15	Understanding the toxic potencies of xenobiotics inducing TCDD/TCDF-like effects. *SAR and QSAR in Environmental Research*, **2018**, 29, 117-131	3.5	7
14	Bioaccumulation of Aluminium in Dunaliella tertiolecta in Natural Seawater: Aluminium?Metal (Cu, Pb, Se) Interactions and Influence of pH. *Bulletin of Environmental Contamination and Toxicology*, **2001**, 66, 214-221	2.7	7
13	An in silico approach to cytotoxicity of pharmaceuticals and personal care products on the rainbow trout liver cell line RTL-W1. *Environmental Toxicology and Chemistry*, **2017**, 36, 1162-1169	3.8	6
12	Bioaccumulation of aluminium in Dunaliella tertiolecta in natural seawater: aluminium-metal (Cu, Pb, Se) interactions and influence of pH. *Bulletin of Environmental Contamination and Toxicology*, **2001**, 66, 214-21	2.7	6
11	Revisiting fish toxicity of active pharmaceutical ingredients: Mechanistic insights from integrated ligand-/structure-based assessments on acetylcholinesterase. *Ecotoxicology and Environmental Safety*, **2019**, 170, 548-558	7	5
10	Comparative performance of descriptors in a multiple linear and Kriging models: a case study on the acute toxicity of organic chemicals to algae. *Environmental Science and Pollution Research*, **2014**, 21, 11924-32	5.1	4
9	Estimation of liquid vapor pressures for low-volatility environmental chemicals. *Chemosphere*, **1998**, 36, 451-460	8.4	4
8	Interaction between a synthetic dye bath and selenium in their toxicity to Dunaliella tertiolecta under two light intensities. *Bulletin of Environmental Contamination and Toxicology*, **2007**, 78, 142-6	2.7	4
7	Assessments of Algal Toxicity and PBT Behaviour of Pesticides with No Eco-toxicological Data: Predictive Ability of QSA/(T)R Models. *Molecular Informatics*, **2019**, 38, e1800137	3.8	3
6	Molecular structure-adsorption study on current textile dyes. *SAR and QSAR in Environmental Research*, **2014**, 25, 983-98	3.5	3
5	Laboratory bioaccumulation of copper, lead and selenium in the marine alga dunaliella tertiolecta metal pair situation. *Toxicological and Environmental Chemistry*, **2000**, 76, 17-27	1.4	3

4	Predicting Cytotoxicity and Enzymatic Activity of Diverse Chemicals Using Goldfish Scale Tissue and Topminnow Hepatoma Cell Line-based Data. *Molecular Informatics*, **2019**, 38, e1800127	3.8	2
3	Modelling the relative toxicity of metals on respiration of nitrifiers using ion characteristics. *SAR and QSAR in Environmental Research*, **2009**, 20, 727-40	3.5	1
2	On the prediction of cytotoxicity of diverse chemicals for topminnow (Poeciliopsis lucida) hepatoma cell line, PLHC-1. *SAR and QSAR in Environmental Research*, **2018**, 29, 675-691	3.5	0
1	Chemometric Modeling of Algal Toxicity **2021**, 275-291		