Sema Akay

List of Publications by Year
in descending order

34	759	759233 12	526287 27
papers	citations	h-index	g-index

34	34	34	903
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Equilibrium solubility of 6-methylcoumarin in some (ethanol + water) mixtures: determination, correlation, thermodynamics and preferential solvation. Physics and Chemistry of Liquids, 2022, 60, 707-727.	1.2	1
2	Assessment of a Pdâ€“Fe3O4-biochar nanocomposite as a heterogeneous catalyst for the solvent-free Suzuki-Miyaura reaction. Materials Chemistry and Physics, 2021, 259, 124176.	4.0	12
3	Fabrication of Palladium Nanoparticles Supported on Natural Volcanic Tuff/Fe3O4 and Its Catalytic Role in Microwave-Assisted Suzukiâ€“Miyaura Coupling Reactions. Catalysis Letters, 2021, 151, 1102-1110.	2.6	5
4	An easily fabricated palladium nanocatalyst on magnetic biochar for Suzukiâ€“Miyaura and aryl halide cyanation reactions. New Journal of Chemistry, 2021, 45, 12519-12527.	2.8	8
5	Pre-treatment of landfill leachate by biochar for the reduction of chemical oxygen demand: the effect of treatment time, temperature and biochar dose. Journal of the Iranian Chemical Society, 2021, 18, 1729-1739.	2.2	6
6	Solubility, dissolution thermodynamics and preferential solvation of 4-nitroaniline in (ethanol +) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 54	1.2	8
7	Aqueous solubility and chromatographic studies of antifungal drug-fluconazole at high temperature conditions. Journal of Molecular Liquids, 2021, 328, 115438.	4.9	2
8	Investigation on the Solubility of the Antidepressant Drug Escitalopram in Subcritical Water. Journal of Chemical & Engineering Data, 2021, 66, 2550-2560.	1.9	6
9	Dissolution thermodynamics and preferential solvation of 2,4-dinitrotoluene in (ethanol + water) mixtures. Journal of Molecular Liquids, 2021, 330, 115675.	4.9	9
10	Solubility of fluconazole in (ethanolÂ+Âwater) mixtures: Determination, correlation, dissolution thermodynamics and preferential solvation. Journal of Molecular Liquids, 2021, 333, 115987.	4.9	4
11	Solubility and dissolution thermodynamics of 5-fluorouracil in (ethanolÂ+Âwater) mixtures. Journal of Molecular Liquids, 2021, 333, 116038.	4.9	5
12	Degradation, solubility and chromatographic studies of Ibuprofen under high temperature water conditions. Chemosphere, 2021, 277, 130307.	8.2	7
13	Ultrasonic assisted photocatalytic process for degradation of ciprofloxacin using TiO2-Pd nanocomposite immobilized on pumice stone. Journal of Industrial and Engineering Chemistry, 2021, 104, 582-591.	5.8	16
14	Fabrication of palladium nanocatalyst supported on magnetic eggshell and its catalytic character in the catalytic reduction of nitroarenes in water. Journal of Organometallic Chemistry, 2021, 950, 121978.	1.8	3
15	Solubility of coumarin in (ethanolÂ+Âwater) mixtures: Determination, correlation, thermodynamics and preferential solvation. Journal of Molecular Liquids, 2021, 339, 116761.	4.9	11
16	Equilibrium solubility of vanillin in some (ethanolÂ+Âwater) mixtures: determination, correlation, thermodynamics and preferential solvation. Journal of Molecular Liquids, 2021, 342, 117529.	4.9	3
17	Preparation and application of Fe-modified banana peel in the adsorption of methylene blue: Process optimization using response surface methodology. Environmental Nanotechnology, Monitoring and Management, 2021, 16, 100517.	2.9	17
18	Preparation and Application of a Hydrochar-Based Palladium Nanocatalyst for the Reduction of Nitroarenes. Molecules, 2021, 26, 6859.	3.8	8

#	Article	IF	Citations
19	Fe-modified hydrochar from orange peel as adsorbent of food colorant Brilliant Black: process optimization and kinetic studies. International Journal of Environmental Science and Technology, 2020, 17, 1975-1990.	3.5	27
20	Research of sulfadiazine using subcritical water and waterâ€¯+â€¯alcohol mixtures as the solvent: Solubility and thermodynamic property. Journal of Molecular Liquids, 2018, 253, 270-276.	4.9	9
21	Synthesis of ZrO2 nanoparticles on pumice and tuff for sonocatalytic degradation of rifampin. Ultrasonics Sonochemistry, 2018, 48, 349-361.	8.2	51
22	Synthesis of pumice-TiO2 nanoflakes for sonocatalytic degradation of famotidine. Journal of Cleaner Production, 2018, 202, 853-862.	9.3	33
23	Simultaneous determination of citalopram, paroxetine, fluoxetine, and sertraline by high-temperature liquid chromatography. European Journal of Chemistry, 2018, 9, 182-188.	0.6	0
24	Sonocatalytic degradation of an anthraquinone dye using TiO2-biochar nanocomposite. Ultrasonics Sonochemistry, 2017, 39, 120-128.	8.2	134
25	Sonocatalytic degradation of Reactive Yellow 39 using synthesized ZrO2 nanoparticles on biochar. Ultrasonics Sonochemistry, 2017, 39, 540-549.	8.2	76
26	Adsorption of 2,4-dichlorophenol on paper sludge/wheat husk biochar: Process optimization and comparison with biochars prepared from wood chips, sewage sludge and hog fuel/demolition waste. Journal of Environmental Chemical Engineering, 2017, 5, 2222-2231.	6.7	84
27	Solubility and Chromatographic Separation of 5-Fluorouracil under Subcritical Water Conditions. Journal of Chemical & Engineering Data, 2017, 62, 1538-1543.	1.9	19
28	Poly(benzoxazineâ€coâ€sulfur): An efficient sorbent for mercury removal from aqueous solution. Journal of Applied Polymer Science, 2017, 134, 45306.	2.6	44
29	Ultrasound-assisted removal of Acid Red 17 using nanosized Fe3O4-loaded coffee waste hydrochar. Ultrasonics Sonochemistry, 2017, 35, 72-80.	8.2	102
30	Green Chromatographic Separation of Coumarin and Vanillins Using Subcritical Water as the Mobile Phase. Journal of Chromatographic Science, 2016, 54, 1187-1192.	1.4	12
31	Fe-modified sporopollenin as a composite biosorbent for the removal of Pb²⁺from aqueous solutions. Desalination and Water Treatment, 2016, 57, 28294-28312.	1.0	20
32	Synthesis and evaluation of NA-PHEMAH polymer for use as a new stationary phase in high-temperature liquid chromatography. Separation and Purification Technology, 2015, 152, 1-6.	7.9	13
33	Degradation of nitroaromatic compounds in subcritical water: application of response surface methodology. , 0, 77, 237-246.		4
34	Acid red 1 and Acid red 114 decolorization in H2O2-modified subcritical water: process optimization and application on a textile wastewater. , 0, 59, 248-261.		0