

Tjoon-Tow Teng

List of Publications by Year in descending order

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107
papers

4,755
citations

94269

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106150

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107
all docs

107
docs citations

107
times ranked

4679
citing authors

#	ARTICLE	IF	CITATIONS
1	Intermolecular degradation of aromatic compound and its derivatives via combined sequential and hybridized process. <i>Bioprocess and Biosystems Engineering</i> , 2023, 46, 359-371.	1.7	1
2	Bacterial biofloculants: A review of recent advances and perspectives. <i>Chemical Engineering Journal</i> , 2017, 328, 1139-1152.	6.6	74
3	Combination and hybridisation of treatments in dye wastewater treatment: A review. <i>Journal of Environmental Chemical Engineering</i> , 2016, 4, 3618-3631.	3.3	98
4	Catalytic thermolysis in treating Cibacron Blue in aqueous solution: Kinetics and degradation pathway. <i>Chemosphere</i> , 2016, 146, 503-510.	4.2	6
5	Effects of cationization hybridized biopolymer from <i>Bacillus subtilis</i> on flocculating properties. <i>Desalination and Water Treatment</i> , 2016, 57, 16086-16095.	1.0	3
6	Application of acid-modified <i>Imperata cylindrica</i> powder for latent fingerprint development. <i>Science and Justice - Journal of the Forensic Science Society</i> , 2015, 55, 347-354.	1.3	10
7	Biosorption of Pb(ii) and Fe(iii) from aqueous co-solutions using chemically pretreated oil palm fronds. <i>RSC Advances</i> , 2015, 5, 106498-106508.	1.7	8
8	Carbonization of <i>Elaeis guineensis</i> frond fiber: Effect of heating rate and nitrogen gas flow rate for adsorbent properties enhancement. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 28, 37-44.	2.9	17
9	Degradation of cationic and anionic dyes in coagulation-flocculation process using bi-functionalized silica hybrid with aluminum-ferric as auxiliary agent. <i>RSC Advances</i> , 2015, 5, 34206-34215.	1.7	122
10	Nickel ion coupled counter complexation and decomplexation through a modified supported liquid membrane system. <i>RSC Advances</i> , 2015, 5, 38424-38434.	1.7	16
11	Synthesis of magnetic nanocomposites (AMMC-Fe ₃ O ₄) for cationic dye removal: Optimization, kinetic, isotherm, and thermodynamics analysis. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2015, 54, 96-108.	2.7	12
12	Titanium-based nanocomposite materials: A review of recent advances and perspectives. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 126, 121-137.	2.5	83
13	Kinetic removal of Cr ⁶⁺ by carboxymethyl cellulose-stabilized nano zerovalent iron particles. <i>Macedonian Journal of Chemistry and Chemical Engineering</i> , 2015, 34, 295.	0.2	4
14	Suspended growth kinetic analysis on biogas generation from newly isolated anaerobic bacterial communities for palm oil mill effluent at mesophilic temperature. <i>RSC Advances</i> , 2014, 4, 64659-64667.	1.7	18
15	Optimization of the column studies into the adsorption of basic dye using tartaric acid-treated bagasse. <i>Desalination and Water Treatment</i> , 2014, 52, 6194-6205.	1.0	10
16	Long-Term Prediction of Biological Wastewater Treatment Process Behavior via Wiener-Laguerre Network Model. <i>International Journal of Chemical Engineering</i> , 2014, 2014, 1-7.	1.4	7
17	Preparation and characterization of coagulation/flocculation behavior of a novel inorganic-organic hybrid polymer for reactive and disperse dyes removal. <i>Chemical Engineering Journal</i> , 2014, 243, 305-314.	6.6	100
18	Coagulation-flocculation of azo dye Acid Orange 7 with green refined laterite soil. <i>Chemical Engineering Journal</i> , 2014, 246, 383-390.	6.6	145

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19	Methane gas production from palm oil wastewater—An anaerobic methanogenic degradation process in continuous stirrer suspended closed anaerobic reactor. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2014, 45, 896-900.	2.7	18
20	Reactive Dye Removal Using Inorganic—Organic Composite Material: Kinetics, Mechanism, and Optimization. <i>Journal of Dispersion Science and Technology</i> , 2014, 35, 1557-1570.	1.3	12
21	A comparative study for the characterization of polyaniline based nanocomposites and membrane properties. <i>RSC Advances</i> , 2014, 4, 20686-20692.	1.7	21
22	Coagulation—Flocculation Method for the Treatment of Pulp and Paper Mill Wastewater. , 2014, , 239-259.		2
23	Optimization of COD, apparent color, and turbidity reductions of landfill leachate by Fenton reagent. <i>Desalination and Water Treatment</i> , 2014, 52, 1524-1530.	1.0	13
24	Adsorption of Rhodamine B Dye on <i>Elaeis guineensis</i> Frond Fiber. <i>Separation Science and Technology</i> , 2014, 49, 1104-1118.	1.3	11
25	<i>Imperata cylindrica</i> (Cogongrass) as an Adsorbent for Methylene Blue Dye Removal: Process Optimization. <i>Water, Air, and Soil Pollution</i> , 2014, 225, 1.	1.1	17
26	Recovery of dye from textile effluents using phenol as an extractant. <i>Journal of Industrial and Engineering Chemistry</i> , 2014, 20, 1958-1964.	2.9	11
27	Viscometric and Morphological Properties of Novel Magnesium Electrolyte—Polyacrylamide Composite Polymers in Aqueous Solution. <i>Journal of Solution Chemistry</i> , 2013, 42, 27-43.	0.6	1
28	Chemical Modification of <i>Imperata cylindrica</i> Leaf Powder for Heavy Metal Ion Adsorption. <i>Water, Air, and Soil Pollution</i> , 2013, 224, 1.	1.1	23
29	Biosorption of Pb(II) and Fe(III) from Aqueous Solutions Using Oil Palm Biomasses as Adsorbents. <i>Water, Air, and Soil Pollution</i> , 2013, 224, 1.	1.1	13
30	Start-up Operation of Anaerobic Degradation Process for Palm Oil Mill Effluent in Anaerobic Bench Scale Reactor (ABSR). <i>Procedia Environmental Sciences</i> , 2013, 18, 442-450.	1.3	17
31	Anaerobic Acidogenesis Biodegradation of Palm Oil Mill Effluent Using Suspended Closed Anaerobic Bioreactor (SCABR) at Mesophilic Temperature. <i>Procedia Environmental Sciences</i> , 2013, 18, 433-441.	1.3	23
32	Treatment of Terasil Red R and Cibacron Red R wastewater using extracted aluminum from red earth: Factorial design. <i>Journal of Environmental Management</i> , 2013, 122, 121-129.	3.8	4
33	Adsorption Studies of Methylene Blue and Malachite Green From Aqueous Solutions by Pretreated Lignocellulosic Materials. <i>Separation Science and Technology</i> , 2013, 48, 1688-1698.	1.3	61
34	Kinetics and In Situ Rheological Behavior of Acrylamide Redox Polymerization. <i>Journal of Dispersion Science and Technology</i> , 2012, 33, 387-395.	1.3	7
35	Evaluation of factors and kinetics study of polyacrylamide redox polymerization using statistical design modeling. <i>Journal of Polymer Engineering</i> , 2012, 32, 215-224.	0.6	2
36	Optimization of nickel removal using liquid—liquid extraction and response surface methodology. <i>Desalination and Water Treatment</i> , 2012, 47, 334-340.	1.0	30

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37	Physicochemical and Rheological Properties of Novel Magnesium Salt-Polyacrylamide Composite Polymers. <i>Journal of Dispersion Science and Technology</i> , 2012, 33, 1284-1291.	1.3	13
38	Optimal conditions of Al and Fe extraction from laterite soil using D-optimal design. <i>The Environmentalist</i> , 2012, 32, 453-463.	0.7	0
39	Production of Bioflocculant by <i>Staphylococcus cohnii</i> ssp. from Palm Oil Mill Effluent (POME). <i>Water, Air, and Soil Pollution</i> , 2012, 223, 3775-3781.	1.1	25
40	Methylene Blue Degradation by <i>Sphingomonas paucimobilis</i> under Aerobic Conditions. <i>Water, Air, and Soil Pollution</i> , 2012, 223, 5131-5142.	1.1	23
41	Screening of Factors Influencing the Adsorption of Methylene Blue Aqueous Solution onto Raw Maize Cobs Using Fractional Factorial Design. <i>Journal of Dispersion Science and Technology</i> , 2012, 33, 1730-1738.	1.3	2
42	Design of experiments for Malachite Green dye removal from wastewater using thermolysis "coagulation" flocculation. <i>Desalination and Water Treatment</i> , 2012, 40, 260-271.	1.0	41
43	Factorial Experimental Design for Reactive Dye Flocculation Using Inorganic-Organic Composite Polymer. <i>APCBEE Procedia</i> , 2012, 1, 59-65.	0.5	17
44	Removal of Cationic Dye by Magnetic Nanoparticle (Fe ₃ O ₄) Impregnated onto Activated Maize Cob Powder and Kinetic Study of Dye Waste Adsorption. <i>APCBEE Procedia</i> , 2012, 1, 83-89.	0.5	73
45	Adsorption and Removal of Zinc (II) from Aqueous Solution Using Powdered Fish Bones. <i>APCBEE Procedia</i> , 2012, 1, 96-102.	0.5	52
46	Studies on the Adsorption of Methylene Blue Dye from Aqueous Solution onto Low-Cost Tartaric Acid Treated Bagasse. <i>APCBEE Procedia</i> , 2012, 1, 103-109.	0.5	25
47	Sonocatalytic Degradation of Rhodamine B in Aqueous Solution in the Presence of TiO ₂ Coated Activated Carbon. <i>APCBEE Procedia</i> , 2012, 1, 110-115.	0.5	30
48	Development, characterization and the application of hybrid materials in coagulation/flocculation of wastewater: A review. <i>Chemical Engineering Journal</i> , 2012, 203, 370-386.	6.6	308
49	Removal of Dyes and Pigments from Industrial Effluents. , 2012, , 65-93.		11
50	Liquid"liquid extraction of Cibacron Red FN-R by TBAB as an extractant. <i>Desalination</i> , 2012, 284, 135-141.	4.0	10
51	Fenton oxidation of carpet dyeing wastewater for removal of COD and color. <i>Desalination and Water Treatment</i> , 2011, 28, 260-264.	1.0	15
52	Removal of lead, zinc and iron by coagulation"flocculation. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2011, 42, 809-815.	2.7	133
53	Screening of factors influencing Cu(II) extraction by soybean oil-based organic solvents using fractional factorial design. <i>Journal of Environmental Management</i> , 2011, 92, 2580-2585.	3.8	45
54	Chemical Oxygen Demand (COD) reduction of a reactive dye wastewater using H ₂ O ₂ /pyridine/Cu (II) system. <i>Desalination</i> , 2011, 278, 26-30.	4.0	27

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55	Cu(II) transport through soybean oil-based bulk liquid membrane: Kinetic study. <i>Chemical Engineering Journal</i> , 2011, 173, 352-360.	6.6	26
56	Optimization of the Adsorption Conditions for the Decolorization and COD Reduction of Methylene Blue Aqueous Solution using Low-Cost Adsorbent. <i>Water, Air, and Soil Pollution</i> , 2011, 214, 185-195.	1.1	32
57	Optimization of Cu(II) Extraction from Aqueous Solutions by Soybean-Oil-Based Organic Solvent Using Response Surface Methodology. <i>Water, Air, and Soil Pollution</i> , 2011, 217, 567-576.	1.1	19
58	A Novel Pretreatment Method of Lignocellulosic Material as Adsorbent and Kinetic Study of Dye Waste Adsorption. <i>Water, Air, and Soil Pollution</i> , 2011, 218, 293-306.	1.1	60
59	Selection of design parameters and optimization of operating parameters of soybean oil-based bulk liquid membrane for Cu(II) removal and recovery from aqueous solutions. <i>Journal of Hazardous Materials</i> , 2011, 190, 197-204.	6.5	33
60	Thermal behavior and morphological properties of novel magnesium salt-polyacrylamide composite polymers. <i>Polymer Composites</i> , 2011, 32, 1515-1522.	2.3	17
61	Efficiency, stoichiometry and structural studies of Cu(II) removal from aqueous solutions using di-2-ethylhexylphosphoric acid and tributylphosphate diluted in soybean oil. <i>Chemical Engineering Journal</i> , 2011, 166, 249-255.	6.6	39
62	Flocculation activity of novel ferric chloride-polyacrylamide (FeCl ₃ -PAM) hybrid polymer. <i>Desalination</i> , 2011, 266, 108-113.	4.0	80
63	Comparative study on the effectiveness of hydrophobically modified cationic polyacrylamide groups in the flocculation of kaolin. <i>Desalination</i> , 2011, 270, 206-213.	4.0	45
64	Adsorption of Cadmium Ions from Aqueous Solution Using Granular Activated Carbon and Activated Clay. <i>Clean - Soil, Air, Water</i> , 2010, 38, 649-656.	0.7	31
65	Flocculation of kaolin in water using novel calcium chloride-polyacrylamide (CaCl ₂ -PAM) hybrid polymer. <i>Separation and Purification Technology</i> , 2010, 75, 346-351.	3.9	64
66	Extraction of Cu(II) from aqueous solutions by vegetable oil-based organic solvents. <i>Journal of Hazardous Materials</i> , 2010, 181, 868-872.	6.5	77
67	Solvent extraction of methyl violet with salicylic acid from aqueous acidic solutions. <i>Desalination</i> , 2010, 263, 113-117.	4.0	16
68	Transport of cationic dye by supported liquid membrane using D2EHPA as the carrier. <i>Coloration Technology</i> , 2010, 126, 97-102.	0.7	15
69	Heavy Metals Removal by Hydroxide Precipitation and Coagulation-Flocculation Methods from Aqueous Solutions. <i>Water Quality Research Journal of Canada</i> , 2009, 44, 174-182.	1.2	81
70	Extraction of methyl red from industrial wastewater using xylene as an extractant. <i>Progress in Natural Science: Materials International</i> , 2009, 19, 1215-1220.	1.8	59
71	Extraction and recovery of rhodamine B, methyl violet and methylene blue from industrial wastewater using D2EHPA as an extractant. <i>Journal of Industrial and Engineering Chemistry</i> , 2009, 15, 841-846.	2.9	74
72	Extraction and recovery of methylene blue from industrial wastewater using benzoic acid as an extractant. <i>Journal of Hazardous Materials</i> , 2009, 163, 363-369.	6.5	114

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73	Treatment of Terasil Red R Dye Wastewater using H ₂ O ₂ /pyridine/Cu(II) System. <i>Journal of Hazardous Materials</i> , 2009, 168, 383-389.	6.5	33
74	Use of vegetable oil in supported liquid membrane for the transport of Rhodamine B. <i>Desalination</i> , 2009, 249, 1062-1066.	4.0	47
75	Use of bulk liquid membrane for the removal of chromium (VI) from aqueous acidic solution with tri-n-butyl phosphate as a carrier. <i>Desalination</i> , 2009, 249, 884-890.	4.0	44
76	Biological kinetics evaluation of anaerobic stabilization pond treatment of palm oil mill effluent. <i>Bioresource Technology</i> , 2009, 100, 4969-4975.	4.8	52
77	Synthesis and Characterization of Hydrophobically Modified Cationic Polyacrylamide with Low Concentration of Cationic Monomer. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2009, 46, 240-249.	1.2	32
78	Improvement of alum and PACl coagulation by polyacrylamides (PAMs) for the treatment of pulp and paper mill wastewater. <i>Chemical Engineering Journal</i> , 2008, 137, 510-517.	6.6	136
79	Effect of calcium ions on the density of lecithin and its effective molecular volume in lecithin-water dispersions. <i>Chemistry and Physics of Lipids</i> , 2008, 151, 1-9.	1.5	16
80	Synthesis and Characterization of Hydrophobically Modified Cationic Acrylamide Copolymer. <i>International Journal of Polymer Analysis and Characterization</i> , 2008, 13, 95-107.	0.9	28
81	Efficiency of the Coagulation-Flocculation Method for the Treatment of Dye Mixtures Containing Disperse and Reactive Dye. <i>Water Quality Research Journal of Canada</i> , 2007, 42, 54-62.	1.2	54
82	Densities and viscosities of aqueous solutions of 1-propanol and 2-propanol at temperatures from 293.15 K to 333.15 K. <i>Journal of Molecular Liquids</i> , 2007, 136, 71-78.	2.3	253
83	Optimization of coagulation-flocculation process for pulp and paper mill effluent by response surface methodological analysis. <i>Journal of Hazardous Materials</i> , 2007, 145, 162-168.	6.5	83
84	Treatment of pulp and paper mill wastewater by polyacrylamide (PAM) in polymer induced flocculation. <i>Journal of Hazardous Materials</i> , 2006, 135, 378-388.	6.5	220
85	Measurement and Prediction of the Density of Aqueous Multicomponent Solutions Involving Polyethylene Glycol 2000. <i>Journal of Chemical Engineering of Japan</i> , 2004, 37, 40-44.	0.3	8
86	Density Prediction for Aqueous Multicomponent Solutions Obeying Isopiestic Relation and Isopycnotic Mixing Rule. <i>Journal of Solution Chemistry</i> , 2003, 32, 765-780.	0.6	4
87	Volumetric properties of aqueous solutions of monoethanolamine, mono- and dimethylethanolamines at temperatures from 5 to 80 °C I. <i>Thermochimica Acta</i> , 2002, 386, 111-118.	1.2	74
88	Volumetric properties of aqueous solutions of mono, and diethylethanolamines at temperatures from 5 to 80 °C II. <i>Thermochimica Acta</i> , 2002, 386, 119-126.	1.2	38
89	Removal of dyes and industrial dye wastes by magnesium chloride. <i>Water Research</i> , 2000, 34, 597-601.	5.3	258
90	Volumetric properties of (water+diethanolamine) systems. <i>Canadian Journal of Chemistry</i> , 1995, 73, 1514-1519.	0.6	97

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91	Densities, excess molar volumes, and partial molar volumes for binary mixtures of water with monoethanolamine, diethanolamine, and triethanolamine from 25 to 80½C. Journal of Solution Chemistry, 1994, 23, 195-205.	0.6	162
92	Measurement and prediction of the density of aqueous ternary mixtures of methyldiethanolamine and diethanolamine at temperatures from 25Åc to 80Åc. Canadian Journal of Chemical Engineering, 1994, 72, 125-129.	0.9	9
93	Viscosity of Aqueous Solutions of N-Methyldiethanolamine and of Diethanolamine. Journal of Chemical & Engineering Data, 1994, 39, 290-293.	1.0	105
94	Solubility of acid gases in chemical and mixed solvents. Separation and Purification Technology, 1991, 5, 29-34.	0.3	11
95	Solubility of carbon dioxide in an AMP solution. Journal of Chemical & Engineering Data, 1990, 35, 410-411.	1.0	38
96	Solubility of H₂S, CO₂ and their mixtures in an AMP solution. Canadian Journal of Chemical Engineering, 1989, 67, 846-850.	0.9	53
97	Vapour pressures of CaCl ₂ •NaCl•H ₂ O and MgCl ₂ •NaCl•H ₂ O at 25 ÅC. Prediction of the water activity of supersaturated NaCl solutions. Canadian Journal of Chemistry, 1978, 56, 1853-1855.	0.6	11
98	Additivity rules for the prediction of the density of aqueous solutions containing mixed-type solutes. Canadian Journal of Chemical Engineering, 1976, 54, 600-605.	0.9	4
99	Additivity rules for the prediction of the density of aqueous solutions containing mixed-type solutes. Canadian Journal of Chemical Engineering, 1976, 54, 600-605.	0.9	6
100	Molal volumes of sucrose in aqueous solutions of NaCl, KCl, or urea at 25½C. Journal of Solution Chemistry, 1976, 5, 575-585.	0.6	24
101	Density prediction of multicomponent aqueous solutions from binary data. Canadian Journal of Chemical Engineering, 1975, 53, 673-676.	0.9	21
102	Methanesulfonic and trichloroacetic acids. Densities of aqueous solutions at 20.deg., 25.deg., and 35.deg.. Journal of Chemical & Engineering Data, 1975, 20, 432-434.	1.0	15
103	The Water-activity of Supersaturated Aqueous Solutions of NaCl, KCl, and K ₂ SO ₄ at 25ÅC. Canadian Journal of Chemistry, 1975, 53, 3133-3140.	0.6	20
104	Water activity data representation of aqueous solutions at 25ÅC. Canadian Journal of Chemical Engineering, 1974, 52, 387-391.	0.9	31
105	Characterization and sorption behavior of natural adsorbent for exclusion of chromium ions from industrial effluents. Desalination and Water Treatment, 0, , 1-9.	1.0	11
106	Start-Up Operation and Hydraulic Retention Time Selectivity for Palm Oil Mill Wastewater at Mesophilic Temperature in Anaerobic Suspended Growth Closed Bioreactor. Advanced Materials Research, 0, 955-959, 1330-1334.	0.3	1
107	Effects of Different Conditions on the Removal of Dye from Reactive Dye Wastewater Using Inorganic-Organic Composite Polymer. International Journal of Environmental Science and Development, 0, , 1-4.	0.2	4