

Ruey-Shin Juang

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363
papers

19,323
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369
ext. papers

21,224
ext. citations

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avg, IF

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L-index

#	Paper	IF	Citations
363	Use of cellulose-based wastes for adsorption of dyes from aqueous solutions. <i>Journal of Hazardous Materials</i> , 2002 , 92, 263-74	12.8	1201
362	An overview of the structure and magnetism of spinel ferrite nanoparticles and their synthesis in microemulsions. <i>Chemical Engineering Journal</i> , 2007 , 129, 51-65	14.7	840
361	Initial behavior of intraparticle diffusion model used in the description of adsorption kinetics. <i>Chemical Engineering Journal</i> , 2009 , 153, 1-8	14.7	768
360	Kinetic modeling of liquid-phase adsorption of reactive dyes and metal ions on chitosan. <i>Water Research</i> , 2001 , 35, 613-8	12.5	632
359	Adsorption of phenol and its derivatives from water using synthetic resins and low-cost natural adsorbents: a review. <i>Journal of Environmental Management</i> , 2009 , 90, 1336-49	7.9	544
358	Characteristics of Elovich equation used for the analysis of adsorption kinetics in dye-chitosan systems. <i>Chemical Engineering Journal</i> , 2009 , 150, 366-373	14.7	493
357	Heavy metal removal from water by sorption using surfactant-modified montmorillonite. <i>Journal of Hazardous Materials</i> , 2002 , 92, 315-26	12.8	462
356	Adsorption of tannic acid, humic acid, and dyes from water using the composite of chitosan and activated clay. <i>Journal of Colloid and Interface Science</i> , 2004 , 278, 18-25	9.3	416
355	Liquid-phase adsorption of dyes and phenols using pinewood-based activated carbons. <i>Carbon</i> , 2003 , 41, 487-495	10.4	287
354	Characteristics of pseudo-second-order kinetic model for liquid-phase adsorption: A mini-review. <i>Chemical Engineering Journal</i> , 2009 , 151, 1-9	14.7	274
353	Metal removal from aqueous solutions using chitosan-enhanced membrane filtration. <i>Journal of Membrane Science</i> , 2000 , 165, 159-167	9.6	268
352	Degradation of methylene blue and methyl orange by palladium-doped TiO ₂ photocatalysis for water reuse: Efficiency and degradation pathways. <i>Journal of Cleaner Production</i> , 2018 , 202, 413-427	10.3	255
351	Comparisons of porous and adsorption properties of carbons activated by steam and KOH. <i>Journal of Colloid and Interface Science</i> , 2005 , 283, 49-56	9.3	248
350	Comparative adsorption of metal and dye on flake- and bead-types of chitosans prepared from fishery wastes. <i>Journal of Hazardous Materials</i> , 2000 , 73, 63-75	12.8	238
349	Application of the Elovich Equation to the Kinetics of Metal Sorption with Solvent-Impregnated Resins. <i>Industrial & Engineering Chemistry Research</i> , 1997 , 36, 813-820	3.9	237
348	Influence of operating parameters on photocatalytic degradation of phenol in UV/TiO ₂ process. <i>Chemical Engineering Journal</i> , 2008 , 139, 322-329	14.7	228
347	A review and experimental verification of using chitosan and its derivatives as adsorbents for selected heavy metals. <i>Journal of Environmental Management</i> , 2010 , 91, 798-806	7.9	224

346	Removal of heavy metal ions from aqueous solutions using various low-cost adsorbents. <i>Journal of Hazardous Materials</i> , 2003 , 102, 291-302	12.8	211
345	Enhanced abilities of highly swollen chitosan beads for color removal and tyrosinase immobilization. <i>Journal of Hazardous Materials</i> , 2001 , 81, 167-77	12.8	205
344	From stable dipolar towards reversing numerical dynamos. <i>Physics of the Earth and Planetary Interiors</i> , 2002 , 131, 29-45	2.3	197
343	Adsorption behavior of reactive dyes from aqueous solutions on chitosan. <i>Journal of Chemical Technology and Biotechnology</i> , 1997 , 70, 391-399	3.5	185
342	Treatment of waters and wastewaters containing sulfur dyes: A review. <i>Chemical Engineering Journal</i> , 2013 , 219, 109-117	14.7	175
341	Mass transfer effect and intermediate detection for phenol degradation in immobilized <i>Pseudomonas putida</i> systems. <i>Process Biochemistry</i> , 2003 , 38, 1497-1507	4.8	172
340	A simplified equilibrium model for sorption of heavy metal ions from aqueous solutions on chitosan. <i>Water Research</i> , 2002 , 36, 2999-3008	12.5	170
339	The Ability of Activated Clay for the Adsorption of Dyes from Aqueous Solutions. <i>Environmental Technology (United Kingdom)</i> , 1997 , 18, 525-531	2.6	153
338	Separation and removal of metal ions from dilute solutions using micellar-enhanced ultrafiltration. <i>Journal of Membrane Science</i> , 2003 , 218, 257-267	9.6	141
337	Preparation of highly microporous carbons from fir wood by KOH activation for adsorption of dyes and phenols from water. <i>Separation and Purification Technology</i> , 2005 , 47, 10-19	8.3	141
336	Applications of a lipopeptide biosurfactant, surfactin, produced by microorganisms. <i>Biochemical Engineering Journal</i> , 2015 , 103, 158-169	4.2	138
335	Photocatalytic degradation of phenol in aqueous solutions by Pr-doped TiO ₂ nanoparticles. <i>Journal of Hazardous Materials</i> , 2007 , 149, 1-7	12.8	136
334	Mechanism of Adsorption of Dyes and Phenols from Water Using Activated Carbons Prepared from Plum Kernels. <i>Journal of Colloid and Interface Science</i> , 2000 , 227, 437-444	9.3	134
333	Mechanism of sorption of phenols from aqueous solutions onto surfactant-modified montmorillonite. <i>Journal of Colloid and Interface Science</i> , 2002 , 254, 234-41	9.3	129
332	Characteristics and applications of the Lagergren's first-order equation for adsorption kinetics. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2010 , 41, 661-669	5.3	128
331	Activities, stabilities, and reaction kinetics of three free and chitosan-clay composite immobilized enzymes. <i>Enzyme and Microbial Technology</i> , 2005 , 36, 75-82	3.8	119
330	Factorial design analysis for adsorption of dye on activated carbon beads incorporated with calcium alginate. <i>Journal of Environmental Management</i> , 2002 , 6, 191-198		117
329	Characterization and use of activated carbons prepared from bagasses for liquid-phase adsorption. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2002 , 201, 191-199	5.1	114

328	Biochemical and biomedical applications of multifunctional magnetic nanoparticles: a review. <i>Journal of Nanoparticle Research</i> , 2011 , 13, 4411-4430	2.3	106
327	Enhanced removal of various dyes from aqueous solutions by UV and simulated solar photocatalysis over TiO ₂ /ZnO/rGO composites. <i>Separation and Purification Technology</i> , 2020 , 232, 115962	8.3	105
326	Solute adsorption and enzyme immobilization on chitosan beads prepared from shrimp shell wastes. <i>Bioresource Technology</i> , 2001 , 80, 187-93	11	104
325	Adsorption of dyes and phenols from water on the activated carbons prepared from corncob wastes. <i>Environmental Technology (United Kingdom)</i> , 2001 , 22, 205-13	2.6	103
324	Adsorption isotherms of phenols from water onto macroreticular resins. <i>Journal of Hazardous Materials</i> , 1999 , 70, 171-83	12.8	103
323	Adsorption removal of copper(II) using chitosan from simulated rinse solutions containing chelating agents. <i>Water Research</i> , 1999 , 33, 2403-2409	12.5	103
322	Adsorption Isotherms of Phenolic Compounds from Aqueous Solutions onto Activated Carbon Fibers. <i>Journal of Chemical & Engineering Data</i> , 1996 , 41, 487-492	2.8	103
321	Effect of pH on Competitive Adsorption of Cu(II), Ni(II), and Zn(II) from Water onto Chitosan Beads. <i>Adsorption</i> , 2002 , 8, 71-78	2.6	101
320	Use of chitosan/clay composite as immobilization support for improved activity and stability of α -glucosidase. <i>Biochemical Engineering Journal</i> , 2007 , 35, 93-98	4.2	100
319	Photocatalytic degradation of phenol and m-nitrophenol using irradiated TiO ₂ in aqueous solutions. <i>Separation and Purification Technology</i> , 2008 , 62, 559-564	8.3	89
318	Biofouling in Membrane Bioreactor. <i>Separation Science and Technology</i> , 2006 , 41, 1345-1370	2.5	85
317	Effective removal of sulfur dyes from water by biosorption and subsequent immobilized laccase degradation on crosslinked chitosan beads. <i>Chemical Engineering Journal</i> , 2016 , 304, 313-324	14.7	84
316	Role of alcohols in the formation of inverse microemulsions and back extraction of proteins/enzymes in a reverse micellar system. <i>Separation and Purification Technology</i> , 2007 , 53, 199-215	8.3	83
315	Use of chemically modified chitosan beads for sorption and enzyme immobilization. <i>Journal of Environmental Management</i> , 2002 , 6, 171-177		83
314	Adsorption of acid dye from water onto pristine and acid-activated clays in fixed beds. <i>Journal of Hazardous Materials</i> , 2004 , 113, 195-200	12.8	82
313	Growth kinetics of <i>Pseudomonas putida</i> in the biodegradation of single and mixed phenol and sodium salicylate. <i>Biochemical Engineering Journal</i> , 2006 , 31, 133-140	4.2	80
312	Role of pH in Metal Adsorption from Aqueous Solutions Containing Chelating Agents on Chitosan. <i>Industrial & Engineering Chemistry Research</i> , 1999 , 38, 270-275	3.9	80
311	Surface modifications of carbonaceous materials for carbon dioxide adsorption: A review. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2017 , 71, 214-234	5.3	76

310	Equilibrium sorption of heavy metals and phosphate from single- and binary-sorbate solutions on goethite. <i>Journal of Colloid and Interface Science</i> , 2004 , 275, 53-60	9.3	76
309	Pore structure and adsorption performance of the activated carbons prepared from plum kernels. <i>Journal of Hazardous Materials</i> , 1999 , 69, 287-302	12.8	76
308	Role of Microporosity of Activated Carbons on Their Adsorption Abilities for Phenols and Dyes. <i>Adsorption</i> , 2001 , 7, 65-72	2.6	75
307	Equilibrium studies on reactive extraction of lactic acid with an amine extractant. <i>Chemical Engineering Journal</i> , 1997 , 65, 47-53	14.7	74
306	Microbiological degradation of phenol using mixed liquors of <i>Pseudomonas putida</i> and activated sludge. <i>Waste Management</i> , 2002 , 22, 703-10	8.6	73
305	Measurement of Binding Constants of Poly(ethylenimine) with Metal Ions and Metal Chelates in Aqueous Media by Ultrafiltration. <i>Industrial & Engineering Chemistry Research</i> , 1996 , 35, 1935-1943	3.9	73
304	Ion-exchange equilibria of Cu(II) and Zn(II) from aqueous solutions with Chelex 100 and Amberlite IRC 748 resins. <i>Chemical Engineering Journal</i> , 2005 , 112, 211-218	14.7	72
303	Ultrafiltration rejection of dissolved ions using various weakly basic water-soluble polymers. <i>Journal of Membrane Science</i> , 2000 , 177, 207-214	9.6	72
302	A convenient method to determine kinetic parameters of adsorption processes by nonlinear regression of pseudo-nth-order equation. <i>Chemical Engineering Journal</i> , 2014 , 237, 153-161	14.7	71
301	Equilibrium and kinetic studies on the adsorption of surfactant, organic acids and dyes from water onto natural biopolymers. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2005 , 269, 35-46	5.1	71
300	SARS-CoV-2 coronavirus in water and wastewater: A critical review about presence and concern. <i>Environmental Research</i> , 2021 , 193, 110265	7.9	69
299	Photocatalytic degradation of p-chlorophenol by hybrid H ₂ O ₂ and TiO ₂ in aqueous suspensions under UV irradiation. <i>Journal of Environmental Management</i> , 2015 , 147, 271-7	7.9	68
298	Recent Advances and Perspectives of Carbon-Based Nanostructures as Anode Materials for Li-ion Batteries. <i>Materials</i> , 2019 , 12,	3.5	67
297	Mechanistic analysis of solvent extraction of heavy metals in membrane contactors. <i>Journal of Membrane Science</i> , 2003 , 213, 125-135	9.6	65
296	Ion Exchange Equilibria of Metal Chelates of Ethylenediaminetetraacetic Acid (EDTA) with Amberlite IRA-68. <i>Industrial & Engineering Chemistry Research</i> , 1998 , 37, 555-560	3.9	65
295	Flux recovery in the ultrafiltration of suspended solutions with ultrasound. <i>Journal of Membrane Science</i> , 2004 , 243, 115-124	9.6	64
294	Adsorption of dyes and humic acid from water using chitosan-encapsulated activated carbon. <i>Journal of Chemical Technology and Biotechnology</i> , 2002 , 77, 1269-1279	3.5	64
293	Adsorption of sulfate and copper(II) on goethite in relation to the changes of zeta potentials. <i>Journal of Colloid and Interface Science</i> , 2002 , 249, 22-9	9.3	64

292	Ultrasound-assisted production of W/O emulsions in liquid surfactant membrane processes. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2004 , 238, 43-49	5.1	63
291	Adsorption of CO ₂ at atmospheric pressure on activated carbons prepared from melamine-modified phenol-formaldehyde resins. <i>Separation and Purification Technology</i> , 2015 , 140, 53-60	8.3	61
290	Metal sorption with extractant-impregnated macroporous resins. 1. Particle diffusion kinetics. <i>Journal of Chemical Technology and Biotechnology</i> , 1995 , 62, 132-140	3.5	61
289	Efficient removal of methylene blue dye by a hybrid adsorption-photocatalysis process using reduced graphene oxide/titanate nanotube composites for water reuse. <i>Journal of Industrial and Engineering Chemistry</i> , 2019 , 76, 296-309	6.3	59
288	Separation of citric and lactic acids in aqueous solutions by solvent extraction and liquid membrane processes. <i>Journal of Membrane Science</i> , 1997 , 136, 89-99	9.6	59
287	Equilibrium studies for the interaction of aqueous metal ions and polyacrylic acid by a batch ultrafiltration method. <i>Journal of Membrane Science</i> , 1993 , 82, 163-174	9.6	59
286	Synthesis of magnetic Fe ₃ O ₄ /activated carbon nanocomposites with high surface area as recoverable adsorbents. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018 , 90, 51-60	5.3	57
285	Removal of Cu(II) and Ni(II) from aqueous solutions using batch and fixed-bed ion exchange processes. <i>Desalination</i> , 2008 , 225, 249-259	10.3	57
284	Liquid-phase adsorption and desorption of phenol onto activated carbons with ultrasound. <i>Ultrasonics Sonochemistry</i> , 2006 , 13, 251-60	8.9	56
283	Removal of metal ions from the complexed solutions in fixed bed using a strong-acid ion exchange resin. <i>Chemosphere</i> , 2003 , 53, 1221-8	8.4	56
282	Direct purification of Burkholderia Pseudomallei lipase from fermentation broth using aqueous two-phase systems. <i>Biotechnology and Bioprocess Engineering</i> , 2009 , 14, 811-818	3.1	54
281	Removal of binary azo dyes from water by UV-irradiated degradation in TiO ₂ suspensions. <i>Journal of Hazardous Materials</i> , 2010 , 182, 820-6	12.8	54
280	Kinetic studies on the adsorption of phenol, 4-chlorophenol, and 2,4-dichlorophenol from water using activated carbons. <i>Journal of Environmental Management</i> , 2010 , 91, 2208-14	7.9	54
279	Separation of surfactin from fermentation broths by acid precipitation and two-stage dead-end ultrafiltration processes. <i>Journal of Membrane Science</i> , 2007 , 299, 114-121	9.6	54
278	Mass-transfer in hollow-fiber modules for extraction and back-extraction of copper(II) with LIX64N carriers. <i>Journal of Membrane Science</i> , 2001 , 188, 251-262	9.6	54
277	Electrolytic recovery of binary metals and EDTA from strong complexed solutions. <i>Water Research</i> , 2000 , 34, 3179-3185	12.5	53
276	Effect of Dye Nature on Its Adsorption from Aqueous Solutions onto Activated Carbon. <i>Separation Science and Technology</i> , 1996 , 31, 2143-2158	2.5	53
275	Solvent extraction of La(III) and Nd(III) from nitrate solutions with 2-ethylhexylphosphonic acid mono-2-ethylhexyl ester. <i>Chemical Engineering Journal</i> , 2006 , 119, 167-174	14.7	52

274	Analysis of liquid membrane extraction of binary Zn(II) and Cd(II) from chloride media with Aliquat 336 based on thermodynamic equilibrium models. <i>Journal of Membrane Science</i> , 2004 , 228, 169-177	9.6	52
273	Microwave-assisted synthesis of titania coating onto polymeric separators for improved lithium-ion battery performance. <i>Journal of Power Sources</i> , 2015 , 286, 526-533	8.9	51
272	Photocatalytic degradation of phenol on different phases of TiO ₂ particles in aqueous suspensions under UV irradiation. <i>Journal of Environmental Management</i> , 2011 , 92, 3098-104	7.9	51
271	Treatment of phenol in synthetic saline wastewater by solvent extraction and two-phase membrane biodegradation. <i>Journal of Hazardous Materials</i> , 2009 , 164, 46-52	12.8	51
270	Ion-exchange kinetics of Cu(II) and Zn(II) from aqueous solutions with two chelating resins. <i>Chemical Engineering Journal</i> , 2007 , 132, 205-213	14.7	51
269	Amino acid separation with D2EHPA by solvent extraction and liquid surfactant membranes. <i>Journal of Membrane Science</i> , 2002 , 207, 241-252	9.6	51
268	Dispersion-free membrane extraction: case studies of metal ion and organic acid extraction. <i>Journal of Membrane Science</i> , 2000 , 165, 59-73	9.6	51
267	Effect of Temperature on Equilibrium Adsorption of Phenols onto Nonionic Polymeric Resins. <i>Separation Science and Technology</i> , 1999 , 34, 1819-1831	2.5	51
266	Extraction equilibrium of zinc from sulfate media with bis(2-ethylhexyl) phosphoric acid. <i>Industrial & Engineering Chemistry Fundamentals</i> , 1986 , 25, 752-757		51
265	Membrane fouling and resistance analysis in dead-end ultrafiltration of <i>Bacillus subtilis</i> fermentation broths. <i>Separation and Purification Technology</i> , 2008 , 63, 531-538	8.3	50
264	Equilibrium Sorption of Copper(II) Ethylenediaminetetraacetic Acid Chelates onto Cross-Linked, Polyaminated Chitosan Beads. <i>Industrial & Engineering Chemistry Research</i> , 1997 , 36, 5403-5409	3.9	49
263	Resistance-in-series analysis in cross-flow ultrafiltration of fermentation broths of <i>Bacillus subtilis</i> culture. <i>Journal of Membrane Science</i> , 2008 , 323, 193-200	9.6	49
262	Metal sorption with extractant-impregnated macroporous resins. 2. Chemical reaction and particle diffusion kinetics. <i>Journal of Chemical Technology and Biotechnology</i> , 1995 , 62, 141-147	3.5	49
261	Enhanced adsorption and photodegradation of phenol in aqueous suspensions of titania/graphene oxide composite catalysts. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016 , 67, 338-345	5.3	49
260	Column removal of Ni(II) from synthetic electroplating waste water using a strong-acid resin. <i>Separation and Purification Technology</i> , 2006 , 49, 36-42	8.3	47
259	Equilibrium studies on the extraction of citric acid from aqueous solutions with tri-n-octylamine.. <i>Journal of Chemical Engineering of Japan</i> , 1994 , 27, 498-504	0.8	47
258	Stability and catalytic kinetics of acid phosphatase immobilized on composite beads of chitosan and activated clay. <i>Process Biochemistry</i> , 2004 , 39, 1087-1091	4.8	46
257	Preparation of activated carbons from unburnt coal in bottom ash with KOH activation for liquid-phase adsorption. <i>Journal of Environmental Management</i> , 2010 , 91, 1097-102	7.9	45

256	Kinetics of Sorption of Cu(II) Ethylenediaminetetraacetic Acid Chelated Anions on Cross-Linked, Polyaminated Chitosan Beads. <i>Industrial & Engineering Chemistry Research</i> , 1998 , 37, 3463-3469	3.9	45
255	Recovery and separation of surfactin from pretreated fermentation broths by physical and chemical extraction. <i>Biochemical Engineering Journal</i> , 2008 , 38, 39-46	4.2	45
254	Removal of various contaminants from water by renewable lignocellulose-derived biosorbents: a comprehensive and critical review. <i>Critical Reviews in Environmental Science and Technology</i> , 2019 , 49, 2155-2219	11.1	44
253	Recovery of surfactin from fermentation broths by a hybrid salting-out and membrane filtration process. <i>Separation and Purification Technology</i> , 2008 , 59, 244-252	8.3	44
252	Metal recovery and EDTA recycling from simulated washing effluents of metal-contaminated soils. <i>Water Research</i> , 2000 , 34, 3795-3803	12.5	44
251	Sulfur and Nitrogen Co-Doped Graphene Quantum Dots as a Fluorescent Quenching Probe for Highly Sensitive Detection toward Mercury Ions. <i>ACS Applied Nano Materials</i> , 2019 , 2, 790-798	5.6	44
250	Liquid-Phase Adsorption of Phenol and Its Derivatives on Activated Carbon Fibers. <i>Separation Science and Technology</i> , 1996 , 31, 1915-931	2.5	43
249	Co-precipitation of magnetic Fe ₃ O ₄ nanoparticles onto carbon nanotubes for removal of copper ions from aqueous solution. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018 , 82, 56-63	5.3	42
248	Hierarchical oil/water separation membrane using carbon fabrics decorated with carbon nanotubes. <i>Surface and Coatings Technology</i> , 2016 , 286, 148-154	4.4	41
247	Removal of soluble organics from water by a hybrid process of clay adsorption and membrane filtration. <i>Journal of Hazardous Materials</i> , 2006 , 135, 134-40	12.8	41
246	Use of thermally treated waste biological sludge as dye absorbent. <i>Journal of Environmental Management</i> , 2003 , 7, 739-744		41
245	Kinetics and mechanism of zinc extraction from sulfate medium with di(2-ethylhexyl) phosphoric acid.. <i>Journal of Chemical Engineering of Japan</i> , 1986 , 19, 379-386	0.8	41
244	Feasibility of the use of polymer-assisted membrane filtration for brackish water softening. <i>Journal of Membrane Science</i> , 2001 , 187, 119-127	9.6	40
243	An EXFAS study of the structures of copper and phosphate sorbed onto goethite. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2004 , 234, 71-75	5.1	39
242	Retention of copper(II)EDTA chelates from dilute aqueous solutions by a polyelectrolyte-enhanced ultrafiltration process. <i>Journal of Membrane Science</i> , 1996 , 119, 25-37	9.6	39
241	Rate and mechanism of divalent metal transport through supported liquid membrane containing di(2-ethylhexyl) phosphoric acid as a mobile carrier. <i>Journal of Chemical Technology and Biotechnology</i> , 2007 , 42, 3-17	3.5	38
240	Process development for degradation of phenol by <i>Pseudomonas putida</i> in hollow-fiber membrane bioreactors. <i>Biotechnology and Bioengineering</i> , 2004 , 87, 219-27	4.9	38
239	Oxidative pyrolysis of organic ion exchange resins in the presence of metal oxide catalysts. <i>Journal of Hazardous Materials</i> , 2002 , 92, 301-14	12.8	38

238	Transport of zinc through a supported liquid membrane using di(2-ethylhexyl) phosphoric acid as a mobile carrier. <i>Journal of Membrane Science</i> , 1987 , 31, 209-226	9.6	38
237	Synthesis of magnetic iron oxide nanoparticles onto fluorinated carbon fabrics for contaminant removal and oil-water separation. <i>Separation and Purification Technology</i> , 2017 , 174, 312-319	8.3	37
236	Improved back extraction of papain from AOT reverse micelles using alcohols and a counter-ionic surfactant. <i>Biochemical Engineering Journal</i> , 2005 , 25, 219-225	4.2	37
235	Kinetic studies on lactic acid extraction with amine using a microporous membrane-based stirred cell. <i>Journal of Membrane Science</i> , 1997 , 129, 185-196	9.6	36
234	Biodegradation of phenol and sodium salicylate mixtures by suspended <i>Pseudomonas putida</i> CCRC 14365. <i>Journal of Hazardous Materials</i> , 2006 , 138, 125-32	12.8	36
233	Substituent effects on photodegradation of phenols in binary mixtures by hybrid H ₂ O ₂ and TiO ₂ suspensions under UV irradiation. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016 , 62, 68-75	5.3	35
232	Preparation of novel activated carbons from H ₂ SO ₄ -pretreated corncob hulls with KOH activation for quick adsorption of dye and 4-chlorophenol. <i>Journal of Environmental Management</i> , 2011 , 92, 708-13	7.9	35
231	Flux decline analysis in micellar-enhanced ultrafiltration of synthetic waste solutions for metal removal. <i>Chemical Engineering Journal</i> , 2010 , 161, 19-26	14.7	35
230	Treatment of complexed Copper(II) solutions with electrochemical membrane processes. <i>Water Research</i> , 2000 , 34, 43-50	12.5	35
229	Kinetics of color removal by adsorption from water using activated clay. <i>Environmental Technology (United Kingdom)</i> , 2001 , 22, 721-9	2.6	34
228	Adsorption of Rhodamine 6G from aqueous solutions on activated carbon. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2001 , 36, 715-25	2.3	34
227	Comparison of Extraction Equilibria of Succinic and Tartaric Acids from Aqueous Solutions with Tri-n-octylamine. <i>Industrial & Engineering Chemistry Research</i> , 1996 , 35, 1944-1950	3.9	34
226	Preparation of polyaminated Fe ₃ O ₄ @chitosan core-shell magnetic nanoparticles for efficient adsorption of phosphate in aqueous solutions. <i>Journal of Industrial and Engineering Chemistry</i> , 2020 , 83, 235-246	6.3	34
225	Effects of water matrix components on degradation efficiency and pathways of antibiotic metronidazole by UV/TiO ₂ photocatalysis. <i>Journal of Molecular Liquids</i> , 2019 , 276, 32-38	6	34
224	Improvement of rate capability of spinel lithium titanate anodes using microwave-assisted zinc nanocoating. <i>Journal of Alloys and Compounds</i> , 2012 , 513, 393-398	5.7	33
223	Efficient removal of cationic dyes from water by a combined adsorption-photocatalysis process using platinum-doped titanate nanomaterials. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2019 , 99, 166-179	5.3	32
222	Thermal inactivation and reactivity of beta-glucosidase immobilized on chitosan-clay composite. <i>International Journal of Biological Macromolecules</i> , 2008 , 43, 48-53	7.9	32
221	Purification of surfactin in pretreated fermentation broths by adsorptive removal of impurities. <i>Biochemical Engineering Journal</i> , 2008 , 40, 452-459	4.2	32

220	Sorption of copper and zinc from aqueous sulfate solutions with bis(2-ethylhexyl)phosphoric acid-impregnated macroporous resin. <i>Industrial & Engineering Chemistry Research</i> , 1992 , 31, 2774-2779	3.9	32
219	Fluorescence of functionalized graphene quantum dots prepared from infrared-assisted pyrolysis of citric acid and urea. <i>Journal of Luminescence</i> , 2020 , 217, 116774	3.8	32
218	Hybridizing Ag-Doped ZnO nanoparticles with graphite as potential photocatalysts for enhanced removal of metronidazole antibiotic from water. <i>Journal of Environmental Management</i> , 2019 , 252, 109649	7.9	31
217	Comparative study on photocatalytic degradation of methomyl and parathion over UV-irradiated TiO ₂ particles in aqueous solutions. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2014 , 45, 989-993	5.3	31
216	Poly(3,4-ethylenedioxythiophene)-Based Nanofiber Mats as an Organic Bioelectronic Platform for Programming Multiple Capture/Release Cycles of Circulating Tumor Cells. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 30329-30342	9.5	30
215	Carrier-facilitated liquid membrane extraction of penicillin G from aqueous streams. <i>Journal of Membrane Science</i> , 1998 , 146, 95-104	9.6	30
214	Mass transfer analysis on air stripping of VOCs from water in microporous hollow fibers. <i>Journal of Membrane Science</i> , 2005 , 255, 79-87	9.6	30
213	Use of microporous hollow fibers for improved biodegradation of high-strength phenol solutions. <i>Journal of Membrane Science</i> , 2005 , 258, 55-63	9.6	30
212	Removal of free and chelated Cu(II) ions from water by a nondispersive solvent extraction process. <i>Water Research</i> , 2002 , 36, 3611-9	12.5	30
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