

Tim Zeiner

List of Publications by Year in descending order

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Version: 2024-02-01

45
papers

653
citations

471061

17
h-index

642321

23
g-index

45
all docs

45
docs citations

45
times ranked

543
citing authors

#	ARTICLE	IF	CITATIONS
1	Separation and purification of laccases from two different fungi using aqueous two-phase extraction. <i>Process Biochemistry</i> , 2014, 49, 335-346.	1.8	40
2	Single stage aqueous two-phase extraction for monoclonal antibody purification from cell supernatant. <i>Fluid Phase Equilibria</i> , 2015, 385, 227-236.	1.4	38
3	Multi-stage laccase extraction and separation using aqueous two-phase systems: Experiment and model. <i>Process Biochemistry</i> , 2014, 49, 1020-1031.	1.8	36
4	Phase Diagrams for Systems Containing Hyperbranched Polymers. <i>Polymers</i> , 2012, 4, 72-115.	2.0	32
5	Solvent effects on esterification equilibria. <i>AIChE Journal</i> , 2015, 61, 3000-3011.	1.8	29
6	Novel aqueous two-phase system based on a hyperbranched polymer. <i>Fluid Phase Equilibria</i> , 2014, 362, 1-10.	1.4	27
7	Investigation of interfacial properties of aqueous two-phase systems by density gradient theory. <i>Fluid Phase Equilibria</i> , 2016, 407, 135-142.	1.4	27
8	Ion exchange membrane adsorption of bovine serum albumin—Impact of operating and buffer conditions on breakthrough curves. <i>Journal of Membrane Science</i> , 2012, 415-416, 568-576.	4.1	24
9	Integrated process development of a reactive extraction concept for itaconic acid and application to a real fermentation broth. <i>Engineering in Life Sciences</i> , 2017, 17, 809-816.	2.0	24
10	Reactive extraction of cis,cis-muconic acid. <i>Fluid Phase Equilibria</i> , 2015, 393, 78-84.	1.4	23
11	Interfacial Mass Transfer in Water–Toluene Systems. <i>Journal of Chemical & Engineering Data</i> , 2020, 65, 328-336.	1.0	23
12	Phase behaviour of hyperbranched polymers in demixed solvents. <i>Molecular Physics</i> , 2012, 110, 1359-1373.	0.8	22
13	Interfacial mass transfer in ternary liquid-liquid systems. <i>Fluid Phase Equilibria</i> , 2017, 440, 54-63.	1.4	21
14	Liquid–Liquid Equilibrium and Interfacial Tension of Hexane Isomers–Methanol Systems. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 9743-9752.	1.8	20
15	Multistage aqueous two-phase extraction of a monoclonal antibody from cell supernatant. <i>Biotechnology Progress</i> , 2015, 31, 925-936.	1.3	19
16	Possibilities to intensify and integrate aqueous two-phase extraction for IgG purification. <i>Separation and Purification Technology</i> , 2015, 154, 217-227.	3.9	18
17	Demixing behavior of binary polymer mixtures. <i>Journal of Molecular Liquids</i> , 2015, 209, 42-49.	2.3	17
18	Experiment and simulation of an aqueous two-phase extraction process for the purification of a monoclonal antibody. <i>Chemical Engineering and Processing: Process Intensification</i> , 2015, 95, 31-42.	1.8	16

#	ARTICLE	IF	CITATIONS
19	Measurement and Modeling of Phase Equilibria in Systems of Acetonitrile, <i>n</i> -Alkanes, and β -Myrcene. <i>Industrial & Engineering Chemistry Research</i> , 2015, 54, 1153-1160.	1.8	15
20	Recovery of cis,cis-muconic acid from organic phase after reactive extraction. <i>Separation and Purification Technology</i> , 2016, 169, 1-8.	3.9	15
21	Theoretical and experimental investigation of mass transfer in aqueous two-phase systems based on linear and branched polymers. <i>Fluid Phase Equilibria</i> , 2019, 479, 106-113.	1.4	14
22	Interfacial Behavior of Aqueous Two-Phase Systems Based on Linear and Hyperbranched Polymers. <i>Journal of Chemical & Engineering Data</i> , 2018, 63, 2467-2476.	1.0	13
23	Solubility calculations of branched and linear amino acids using lattice cluster theory. <i>Molecular Physics</i> , 2014, 112, 2282-2296.	0.8	11
24	Different recycling concepts in the homogeneously catalysed synthesis of terpenyl amines. <i>Chemical Engineering and Processing: Process Intensification</i> , 2015, 98, 22-31.	1.8	11
25	Hyperbranched polymers as phase forming components in aqueous two-phase extraction. <i>Chemical Engineering and Processing: Process Intensification</i> , 2016, 99, 167-174.	1.8	11
26	Modeling Highly Cross-Linked Epoxy Resins in Solvents of Different Polarities with PC-SAFT. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 5133-5141.	1.8	10
27	Superposition of Liquid-Liquid and Solid-Liquid Equilibria of Linear and Branched Molecules: Binary Systems. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 11167-11174.	1.8	9
28	Modelling of adsorption isotherms of isomers using density functional theory. <i>Molecular Physics</i> , 2017, 115, 1389-1407.	0.8	9
29	Calculation of Droplet Coalescence in Binary Liquid-Liquid Systems: An Incompressible Cahn-Hilliard/Navier-Stokes Approach Using the Non-Random Two-Liquid Model. <i>Journal of Chemical & Engineering Data</i> , 2020, 65, 1083-1094.	1.0	9
30	Development of a generic process model for membrane adsorption. <i>Computers and Chemical Engineering</i> , 2013, 53, 86-101.	2.0	8
31	Tunable extraction systems based on hyperbranched polymers. <i>Chemical Engineering and Processing: Process Intensification</i> , 2016, 99, 175-182.	1.8	8
32	Phase Equilibria in Systems of Morpholine, Acetonitrile, and <i>n</i> -Alkanes. <i>Journal of Chemical & Engineering Data</i> , 2015, 60, 2098-2103.	1.0	7
33	Superposition of Liquid-Liquid and Solid-Liquid Equilibria of Linear and Branched Molecules: Ternary Systems. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 417-423.	1.8	7
34	SAFT-Based Maxwell-Stefan Approach to Model the Diffusion through Epoxy Resins. <i>Journal of Chemical & Engineering Data</i> , 2020, 65, 5677-5687.	1.0	7
35	Membrane chromatography for the purification of laccase from the supernatant of <i>Pleurotus sapidus</i> . <i>Biochemical Engineering Journal</i> , 2013, 70, 180-187.	1.8	6
36	Purification of biomolecules combining ATPS and membrane chromatography. <i>Food and Bioprocess Processing</i> , 2014, 92, 152-160.	1.8	6

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37	Purification of Terpenyl Amine by Reactive Extraction. Industrial & Engineering Chemistry Research, 2016, 55, 5763-5769.	1.8	6
38	Interfacial Mass Transfer in Quaternary Liquid-Liquid Systems. Chemical Engineering and Processing: Process Intensification, 2022, 171, 108501.	1.8	5
39	Modeling liquid absorption of highly cross-linked epoxy resins in aqueous electrolyte solutions. Fluid Phase Equilibria, 2021, 529, 112881.	1.4	4
40	Thermodynamic Modeling of the Solid-Liquid Phase Transition in Polyethylene Copolymer-Solvent Systems Based on Continuous Thermodynamics and Lattice Cluster Theory. Industrial & Engineering Chemistry Research, 2022, 61, 957-967.	1.8	4
41	Influence of thermal diffusion on the solvent absorption kinetics of highly cross-linked epoxy resins. Journal of Molecular Liquids, 2021, 339, 116809.	2.3	2
42	Adsorption Isotherms of Liquid Isomeric Mixtures. Industrial & Engineering Chemistry Research, 2018, 57, 11210-11218.	1.8	0
43	Simulation and Experiment of the Homogeneously Catalyzed Production of Terpenyl Amine. Chemie-Ingenieur-Technik, 2018, 90, 947-955.	0.4	0
44	Fluid Simulation-Supported Extraction Process Design: An Approach Towards Improving Current Models. Chemie-Ingenieur-Technik, 2020, 92, 907-913.	0.4	0
45	Intensification of Aqueous Two-phase Extraction for Protein Purification. RSC Green Chemistry, 2018, , 344-364.	0.0	0