# Tim Zeiner

List of Publications by Year
in descending order



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|---|---|---|---|
| 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 | Interfacial Mass Transfer in Quaternary Liquid-Liquid Systems. Chemical Engineering and Processing: Process Intensification, 2022, 171, 108501. | 1.8 | 5 |
| 2 | Thermodynamic Modeling of the Solidâ€“Liquid Phase Transition in Polyethylene Copolymerâ€“Solvent Systems Based on Continuous Thermodynamics and Lattice Cluster Theory. Industrial & Engineering Chemistry Research, 2022, 61, 957-967. | 1.8 | 4 |
| 3 | Modeling liquid absorption of highly cross-linked epoxy resins in aqueous electrolyte solutions. Fluid Phase Equilibria, 2021, 529, 112881. | 1.4 | 4 |
| 4 | 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 |
| 5 | Interfacial Mass Transfer in Waterâ€“Toluene Systems. Journal of Chemical & Engineering Data, 2020, 65, 328-336. | 1.0 | 23 |
| 6 | Calculation of Droplet Coalescence in Binary Liquidâ€“Liquid Systems: An Incompressible Cahnâ€“Hilliard/Navierâ€“Stokes Approach Using the Non-Random Two-Liquid Model. Journal of Chemical & Engineering Data, 2020, 65, 1083-1094. | 1.0 | 9 |
| 7 | Fluid Simulationâ€Supported Extraction Process Design: An Approach Towards Improving Current Models. Chemie-Ingenieur-Technik, 2020, 92, 907-913. | 0.4 | 0 |
| 8 | Modeling Highly Cross-Linked Epoxy Resins in Solvents of Different Polarities with PC-SAFT. Industrial & Engineering Chemistry Research, 2020, 59, 5133-5141. | 1.8 | 10 |
| 9 | SAFT-Based Maxwellâ€“Stefan Approach to Model the Diffusion through Epoxy Resins. Journal of Chemical & Engineering Data, 2020, 65, 5677-5687. | 1.0 | 7 |
| 10 | Theoretical and experimental investigation of mass transfer in aqueous two-phase systems based on linear and branched polymers. Fluid Phase Equilibria, 2019, 479, 106-113. | 1.4 | 14 |
| 11 | Interfacial Behavior of Aqueous Two-Phase Systems Based on Linear and Hyperbranched Polymers. Journal of Chemical & Engineering Data, 2018, 63, 2467-2476. | 1.0 | 13 |
| 12 | Adsorption Isotherms of Liquid Isomeric Mixtures. Industrial & Engineering Chemistry Research, 2018, 57, 11210-11218. | 1.8 | 0 |
| 13 | Simulation and Experiment of the Homogeneously Catalyzed Production of Terpenyl Amine. Chemie-Ingenieur-Technik, 2018, 90, 947-955. | 0.4 | 0 |
| 14 | Intensification of Aqueous Two-phase Extraction for Protein Purification. RSC Green Chemistry, 2018, , 344-364. | 0.0 | 0 |
| 15 | Interfacial mass transfer in ternary liquid-liquid systems. Fluid Phase Equilibria, 2017, 440, 54-63. | 1.4 | 21 |
| 16 | Integrated process development of a reactive extraction concept for itaconic acid and application to a real fermentation broth. Engineering in Life Sciences, 2017, 17, 809-816. | 2.0 | 24 |
| 17 | Superposition of Liquidâ€“Liquid and Solidâ€“Liquid Equilibria of Linear and Branched Molecules: Ternary Systems. Industrial & Engineering Chemistry Research, 2017, 56, 417-423. | 1.8 | 7 |
| 18 | Modelling of adsorption isotherms of isomers using density functional theory. Molecular Physics, 2017, 115, 1389-1407. | 0.8 | 9 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Liquidâ€“Liquid Equilibrium and Interfacial Tension of Hexane Isomersâ€“Methanol Systems. Industrial & Engineering Chemistry Research, 2017, 56, 9743-9752. | 1.8 | 20 |
| 20 | Superposition of Liquidâ€“Liquid and Solidâ€“Liquid Equilibria of Linear and Branched Molecules: Binary Systems. Industrial & Engineering Chemistry Research, 2016, 55, 11167-11174. | 1.8 | 9 |
| 21 | Recovery of cis,cis-muconic acid from organic phase after reactive extraction. Separation and Purification Technology, 2016, 169, 1-8. | 3.9 | 15 |
| 22 | Purification of Terpenyl Amine by Reactive Extraction. Industrial & Engineering Chemistry Research, 2016, 55, 5763-5769. | 1.8 | 6 |
| 23 | Investigation of interfacial properties of aqueous two-phase systems by density gradient theory. Fluid Phase Equilibria, 2016, 407, 135-142. | 1.4 | 27 |
| 24 | Tuneable extraction systems based on hyperbranched polymers. Chemical Engineering and Processing: Process Intensification, 2016, 99, 175-182. | 1.8 | 8 |
| 25 | Hyperbranched polymers as phase forming components in aqueous two-phase extraction. Chemical Engineering and Processing: Process Intensification, 2016, 99, 167-174. | 1.8 | 11 |
| 26 | Solvent effects on esterification equilibria. AICHE Journal, 2015, 61, 3000-3011. | 1.8 | 29 |
| 27 | Multistage aqueous twoâ€phase extraction of a monoclonal antibody from cell supernatant. Biotechnology Progress, 2015, 31, 925-936. | 1.3 | 19 |
| 28 | Demixing behavior of binary polymer mixtures. Journal of Molecular Liquids, 2015, 209, 42-49. | 2.3 | 17 |
| 29 | Measurement and Modeling of Phase Equilibria in Systems of Acetonitrile, n-Alkanes, and Î²-Myrcene. Industrial & Engineering Chemistry Research, 2015, 54, 1153-1160. | 1.8 | 15 |
| 30 | Phase Equilibria in Systems of Morpholine, Acetonitrile, and n-Alkanes. Journal of Chemical & Engineering Data, 2015, 60, 2098-2103. | 1.0 | 7 |
| 31 | Reactive extraction of cis,cis-muconic acid. Fluid Phase Equilibria, 2015, 393, 78-84. | 1.4 | 23 |
| 32 | Experiment and simulation of an aqueous two-phase extraction process for the purification of a monoclonal antibody. Chemical Engineering and Processing: Process Intensification, 2015, 95, 31-42. | 1.8 | 16 |
| 33 | Possibilities to intensify and integrate aqueous two-phase extraction for IgG purification. Separation and Purification Technology, 2015, 154, 217-227. | 3.9 | 18 |
| 34 | Different recycling concepts in the homogeneously catalysed synthesis of terpenyl amines. Chemical Engineering and Processing: Process Intensification, 2015, 98, 22-31. | 1.8 | 11 |
| 35 | Single stage aqueous two-phase extraction for monoclonal antibody purification from cell supernatant. Fluid Phase Equilibria, 2015, 385, 227-236. | 1.4 | 38 |
| 36 | Multi-stage laccase extraction and separation using aqueous two-phase systems: Experiment and model. Process Biochemistry, 2014, 49, 1020-1031. | 1.8 | 36 |

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|---|---|---|---|
| 37 | Novel aqueous two-phase system based on a hyperbranched polymer. Fluid Phase Equilibria, 2014, 362, 1-10. | 1.4 | 27 |
| 38 | Solubility calculations of branched and linear amino acids using lattice cluster theory. Molecular Physics, 2014, 112, 2282-2296. | 0.8 | 11 |
| 39 | Separation and purification of laccases from two different fungi using aqueous two-phase extraction. Process Biochemistry, 2014, 49, 335-346. | 1.8 | 40 |
| 40 | Purification of biomolecules combining ATPS and membrane chromatography. Food and Bioproducts Processing, 2014, 92, 152-160. | 1.8 | 6 |
| 41 | Development of a generic process model for membrane adsorption. Computers and Chemical Engineering, 2013, 53, 86-101. | 2.0 | 8 |
| 42 | Membrane chromatography for the purification of laccase from the supernatant of Pleurotus sapidus. Biochemical Engineering Journal, 2013, 70, 180-187. | 1.8 | 6 |
| 43 | Phase Diagrams for Systems Containing Hyperbranched Polymers. Polymers, 2012, 4, 72-115. | 2.0 | 32 |
| 44 | Ion exchange membrane adsorption of bovine serum albuminâ€"Impact of operating and buffer conditions on breakthrough curves. Journal of Membrane Science, 2012, 415-416, 568-576. | 4.1 | 24 |
| 45 | Phase behaviour of hyperbranched polymers in demixed solvents. Molecular Physics, 2012, 110, 1359-1373. | 0.8 | 22 |