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420
papers

8,926
citations

45
h-index

67
g-index

443
ext. papers

10,011
ext. citations

4.8
avg, IF

6.6
L-index

#	Paper	IF	Citations
4 ²⁰	Microporous Organic Polymers for Methane Storage. <i>Advanced Materials</i> , 2008 , 20, 1916-1921	24	319
4 ¹⁹	Scallop genome provides insights into evolution of bilaterian karyotype and development. <i>Nature Ecology and Evolution</i> , 2017 , 1, 120	12.3	202
4 ¹⁸	Ligands for mixed-mode protein chromatography: Principles, characteristics and design. <i>Journal of Biotechnology</i> , 2009 , 144, 3-11	3.7	132
4 ¹⁷	Design of LVFFARK and LVFFARK-functionalized nanoparticles for inhibiting amyloid β -protein fibrillation and cytotoxicity. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 5650-62	9.5	115
4 ¹⁶	A novel magnetic affinity support for protein adsorption and purification. <i>Biotechnology Progress</i> , 2001 , 17, 134-9	2.8	114
4 ¹⁵	Influence of pH and ionic strength on the steric mass-action model parameters around the isoelectric point of protein. <i>Biotechnology Progress</i> , 2005 , 21, 516-23	2.8	112
4 ¹⁴	Preparation and characterization of immobilized lipase on magnetic hydrophobic microspheres. <i>Enzyme and Microbial Technology</i> , 2003 , 32, 776-782	3.8	111
4 ¹³	Molecular insight into conformational transition of amyloid β -peptide 42 inhibited by (-)-epigallocatechin-3-gallate probed by molecular simulations. <i>Journal of Physical Chemistry B</i> , 2011 , 115, 11879-87	3.4	108
4 ¹²	Brazilin inhibits amyloid β -protein fibrillogenesis, remodels amyloid fibrils and reduces amyloid cytotoxicity. <i>Scientific Reports</i> , 2015 , 5, 7992	4.9	96
4 ¹¹	Enhancement of the methane storage on activated carbon by preadsorbed water. <i>AIChE Journal</i> , 2002 , 48, 2412-2416	3.6	85
4 ¹⁰	Thermodynamic analysis of the molecular interactions between amyloid beta-peptide 42 and (-)-epigallocatechin-3-gallate. <i>Journal of Physical Chemistry B</i> , 2010 , 114, 11576-83	3.4	84
4 ⁰⁹	Nanomaterials and plants: Positive effects, toxicity and the remediation of metal and metalloid pollution in soil. <i>Science of the Total Environment</i> , 2019 , 662, 414-421	10.2	79
4 ⁰⁸	Molecular basis for polyol-induced protein stability revealed by molecular dynamics simulations. <i>Journal of Chemical Physics</i> , 2010 , 132, 225103	3.9	77
4 ⁰⁷	Fabrication of high-permeability and high-capacity monolith for protein chromatography. <i>Journal of Chromatography A</i> , 2007 , 1163, 212-8	4.5	77
4 ⁰⁶	Analysis of diffusion models for protein adsorption to porous anion-exchange adsorbent. <i>Journal of Chromatography A</i> , 2002 , 962, 29-40	4.5	75
4 ⁰⁵	Protein behavior at surfaces: orientation, conformational transitions and transport. <i>Journal of Chromatography A</i> , 2015 , 1382, 118-34	4.5	73
4 ⁰⁴	Behavior, remediation effect and toxicity of nanomaterials in water environments. <i>Environmental Research</i> , 2019 , 174, 54-60	7.9	72

403	Chitosan-coated silica beads as immobilized metal affinity support for protein adsorption. <i>Biochemical Engineering Journal</i> , 2003 , 16, 317-322	4.2	71
402	Protein adsorption to poly(ethylenimine)-modified Sepharose FF: I. a critical ionic capacity for drastically enhanced capacity and uptake kinetics. <i>Journal of Chromatography A</i> , 2013 , 1305, 76-84	4.5	69
401	Experimental and Theoretical Investigation of Mesoporous MnO ₂ Nanosheets with Oxygen Vacancies for High-Efficiency Catalytic DeNO _x . <i>ACS Catalysis</i> , 2018 , 8, 3865-3874	13.1	66
400	Protein adsorption to poly(ethylenimine)-modified Sepharose FF: II. effect of ionic strength. <i>Journal of Chromatography A</i> , 2013 , 1305, 85-93	4.5	66
399	Diffusivity of oxygen into carriers entrapping whole cells. <i>Biotechnology and Bioengineering</i> , 1989 , 34, 55-8	4.9	66
398	Protein adsorption equilibria and kinetics to a poly(vinyl alcohol)-based magnetic affinity support. <i>Journal of Chromatography A</i> , 2001 , 921, 109-19	4.5	65
397	Molecular insight into the inhibition effect of trehalose on the nucleation and elongation of amyloid beta-peptide oligomers. <i>Journal of Physical Chemistry B</i> , 2009 , 113, 11320-9	3.4	63
396	Design of a Molecular Hybrid of Dual Peptide Inhibitors Coupled on AuNPs for Enhanced Inhibition of Amyloid β -Protein Aggregation and Cytotoxicity. <i>Small</i> , 2017 , 13, 1601666	11	61
395	Further studies on the contribution of electrostatic and hydrophobic interactions to protein adsorption on dye-ligand adsorbents. <i>Biotechnology and Bioengineering</i> , 2001 , 75, 710-7	4.9	61
394	Fabrication and characterization of superporous cellulose bead for high-speed protein chromatography. <i>Journal of Chromatography A</i> , 2007 , 1146, 32-40	4.5	60
393	Lysozyme adsorption and purification by expanded bed chromatography with a small-sized dense adsorbent. <i>Biochemical Engineering Journal</i> , 2002 , 12, 117-124	4.2	58
392	Nd-Fe-B alloy-densified agarose gel for expanded bed adsorption of proteins. <i>Journal of Chromatography A</i> , 2002 , 943, 63-75	4.5	58
391	Understanding the influence of carbon nanomaterials on microbial communities. <i>Environment International</i> , 2019 , 126, 690-698	12.9	57
390	In Situ Synthesis of Monodisperse Silver Nanoparticles on Sulfhydryl-Functionalized Poly(glycidyl methacrylate) Microspheres for Catalytic Reduction of 4-Nitrophenol. <i>Industrial & Engineering Chemistry Research</i> , 2015 , 54, 6480-6488	3.9	57
389	Principles of methane adsorption and natural gas storage. <i>Adsorption</i> , 2009 , 15, 133-137	2.6	57
388	Refolding kinetics of denatured-reduced lysozyme in the presence of folding aids. <i>Journal of Biotechnology</i> , 2004 , 114, 135-42	3.7	54
387	Molecular simulation of adsorption and its implications to protein chromatography: A review. <i>Biochemical Engineering Journal</i> , 2010 , 48, 408-415	4.2	52
386	Comparison of lipase-catalyzed enantioselective esterification of (R)-menthol in ionic liquids and organic solvents. <i>Food Chemistry</i> , 2006 , 97, 324-330	8.5	52

- 385 Solvent-free production of 1,3-diglyceride of CLA: Strategy consideration and protocol design. *Food Chemistry*, **2007**, 100, 1076-1084 8.5 51
- 384 A novel superporous agarose medium for high-speed protein chromatography. *Biotechnology and Bioengineering*, **2005**, 92, 643-51 4.9 51
- 383 Dextran-grafted cation exchanger based on superporous agarose gel: adsorption isotherms, uptake kinetics and dynamic protein adsorption performance. *Journal of Chromatography A*, **2010**, 1217, 5084-91 4.5 50
- 382 5-Aminoindole, a new ligand for hydrophobic charge induction chromatography. *Journal of Chromatography A*, **2008**, 1211, 90-8 4.5 50
- 381 Modeling of the salt effects on hydrophobic adsorption equilibrium of protein. *Journal of Chromatography A*, **2003**, 992, 29-40 4.5 50
- 380 Protein separation by open tubular capillary electrochromatography employing a capillary coated with phenylalanine functionalized tentacle-type polymer under both cathodic and anodic electroosmotic flows. *Journal of Chromatography A*, **2008**, 1183, 129-34 4.5 49
- 379 Molecular mechanism of the affinity interactions between protein A and human immunoglobulin G1 revealed by molecular simulations. *Journal of Physical Chemistry B*, **2011**, 115, 4168-76 3.4 45
- 378 Optimization of lipase-catalyzed enantioselective esterification of (R)-menthol in ionic liquid. *Food Chemistry*, **2008**, 109, 72-80 8.5 45
- 377 Macroporous poly(glycidyl methacrylate-triallyl isocyanurate-divinylbenzene) matrix as an anion-exchange resin for protein adsorption. *Journal of Chromatography A*, **1999**, 855, 129-36 4.5 45
- 376 Effect of (E)epigallocatechin-3-gallate on human insulin fibrillation/aggregation kinetics. *Biochemical Engineering Journal*, **2012**, 63, 38-49 4.2 44
- 375 Local hydrodynamics of gas-liquid-nanoparticles three-phase fluidization. *Chemical Engineering Science*, **2005**, 60, 6887-6898 4.4 44
- 374 Poly(glycidyl methacrylate-divinylbenzene-triallylisocyanurate) continuous-bed protein chromatography. *Journal of Chromatography A*, **2001**, 912, 31-8 4.5 44
- 373 Tanshinones inhibit hIAPP aggregation, disaggregate preformed hIAPP fibrils, and protect cultured cells. *Journal of Materials Chemistry B*, **2018**, 6, 56-67 7.3 43
- 372 Fabrication of Surface Protein-Imprinted Nanoparticles Using a Metal Chelating Monomer via Aqueous Precipitation Polymerization. *ACS Applied Materials & Interfaces*, **2015**, 7, 27188-96 9.5 42
- 371 Protein adsorption to poly(ethylenimine)-modified Sepharose FF: III. Comparison between different proteins. *Journal of Chromatography A*, **2014**, 1342, 30-6 4.5 42
- 370 Fabrication and characterization of a rigid magnetic matrix for protein adsorption. *Journal of Chromatography A*, **2002**, 947, 185-93 4.5 42
- 369 Near-Infrared Light-Powered Janus Nanomotor Significantly Facilitates Inhibition of Amyloid- β Fibrillogenesis. *ACS Applied Materials & Interfaces*, **2020**, 12, 12618-12628 9.5 41
- 368 Molecular insight into the counteraction of trehalose on urea-induced protein denaturation using molecular dynamics simulation. *Journal of Physical Chemistry B*, **2012**, 116, 7040-7 3.4 41

367	Characteristics of immobilized lipase on hydrophobic superparamagnetic microspheres to catalyze esterification. <i>Biotechnology Progress</i> , 2004 , 20, 500-6	2.8	41
366	Thiophene Capture with Complex Adsorbent SBA-15/Cu(I). <i>Industrial & Engineering Chemistry Research</i> , 2006 , 45, 7892-7896	3.9	41
365	Study on protein adsorption kinetics to a dye ligand adsorbent by the pore diffusion model. <i>Journal of Chromatography A</i> , 2002 , 964, 35-46	4.5	40
364	Molecular insight into protein conformational transition in hydrophobic charge induction chromatography: a molecular dynamics simulation. <i>Journal of Physical Chemistry B</i> , 2009 , 113, 6873-80	3.4	39
363	Affinity extraction of proteins with a reversed micellar system composed of Cibacron Blue-modified lecithin. <i>Biotechnology and Bioengineering</i> , 1998 , 58, 58-64	4.9	39
362	Magnetism-Resolved Separation and Fluorescence Quantification for Near-Simultaneous Detection of Multiple Pathogens. <i>Analytical Chemistry</i> , 2018 , 90, 9621-9628	7.8	38
361	Thermodynamic analysis of the molecular interactions between amyloid β -protein fragments and (-)-epigallocatechin-3-gallate. <i>Journal of Physical Chemistry B</i> , 2012 , 116, 5803-9	3.4	38
360	Novel biporous polymeric stationary phase for high-speed protein chromatography. <i>Journal of Chromatography A</i> , 2004 , 1061, 159-65	4.5	38
359	Operational intensification by direct product sequestration from cell disruptates: application of a pellicular adsorbent in a mechanically integrated disruption-fluidised bed adsorption process. <i>Biotechnology and Bioengineering</i> , 2002 , 80, 201-12	4.9	38
358	ACE-Inhibitory Peptide Isolated from Fermented Soybean Meal as Functional Food. <i>International Journal of Food Engineering</i> , 2013 , 9, 1-8	1.9	37
357	Effect of dextran layer on protein uptake to dextran-grafted adsorbents for ion-exchange and mixed-mode chromatography. <i>Journal of Separation Science</i> , 2011 , 34, 2950-9	3.4	37
356	Protein adsorption to poly(ethylenimine)-modified Sepharose FF. IV. Dynamic adsorption and elution behaviors. <i>Journal of Chromatography A</i> , 2014 , 1362, 218-24	4.5	35
355	Refolding and purification of histidine-tagged protein by artificial chaperone-assisted metal affinity chromatography. <i>Journal of Chromatography A</i> , 2009 , 1216, 5207-13	4.5	35
354	Development of rigid bidisperse porous microspheres for high-speed protein chromatography. <i>Biotechnology Progress</i> , 2003 , 19, 1300-6	2.8	35
353	New Development of Reverse Micelles and Applications in Protein Separation and Refolding. <i>Chinese Journal of Chemical Engineering</i> , 2008 , 16, 949-955	3.2	35
352	Cooperative effect of artificial chaperones and guanidinium chloride on lysozyme renaturation at high concentrations. <i>Biotechnology Progress</i> , 2002 , 18, 663-5	2.8	35
351	HP- β -cyclodextrin as an inhibitor of amyloid- β aggregation and toxicity. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 20476-85	3.6	34
350	Modeling of sedimentation of polydisperse spherical beads with a broad size distribution. <i>Chemical Engineering Science</i> , 2003 , 58, 1531-1543	4.4	34

349	Modeling of expanded-bed protein adsorption by taking into account the axial particle size distribution. <i>Biochemical Engineering Journal</i> , 2003 , 16, 265-272	4.2	34
348	Agar-based magnetic affinity support for protein adsorption. <i>Biotechnology Progress</i> , 2001 , 17, 738-43	2.8	34
347	Multifunctionality of self-assembled nanogels of curcumin-hyaluronic acid conjugates on inhibiting amyloid β -protein fibrillation and cytotoxicity. <i>Reactive and Functional Polymers</i> , 2016 , 104, 22-29	4.6	34
346	Application of magnetic agarose support in liquid magnetically stabilized fluidized bed for protein adsorption. <i>Biotechnology Progress</i> , 2003 , 19, 1721-7	2.8	33
345	Poly(carboxybetaine methacrylate)-grafted silica nanoparticle: A novel carrier for enzyme immobilization. <i>Biochemical Engineering Journal</i> , 2018 , 132, 122-129	4.2	32
344	Evaluation of steric exclusion chromatography on cryogel column for the separation of serum proteins. <i>Journal of Chromatography A</i> , 2014 , 1333, 54-9	4.5	32
343	Rational design of affinity peptide ligand by flexible docking simulation. <i>Journal of Chromatography A</i> , 2007 , 1146, 41-50	4.5	32
342	Gas holdup and volumetric oxygen transfer coefficient in a three-phase fluidized bed bioreactor.. <i>Journal of Chemical Engineering of Japan</i> , 1988 , 21, 15-20	0.8	32
341	Membrane Interactions of hIAPP Monomer and Oligomer with Lipid Membranes by Molecular Dynamics Simulations. <i>ACS Chemical Neuroscience</i> , 2017 , 8, 1789-1800	5.7	31
340	Remarkably enhanced activity and substrate affinity of lipase covalently bonded on zwitterionic polymer-grafted silica nanoparticles. <i>Journal of Colloid and Interface Science</i> , 2018 , 519, 145-153	9.3	31
339	4-(1H-imidazol-1-yl) aniline: a new ligand of mixed-mode chromatography for antibody purification. <i>Journal of Chromatography A</i> , 2009 , 1216, 6081-7	4.5	31
338	Analysis of mass transport models for protein adsorption to cation exchanger by visualization with confocal laser scanning microscopy. <i>Journal of Chromatography A</i> , 2006 , 1103, 110-7	4.5	31
337	Dense pellicular agarose-glass beads for expanded bed application:. <i>Biochemical Engineering Journal</i> , 2004 , 18, 81-88	4.2	31
336	Lysozyme refolding with immobilized GroEL column chromatography. <i>Journal of Chromatography A</i> , 2000 , 878, 197-204	4.5	31
335	Modeling of continuous L(+)-lactic acid production with immobilized <i>R. oryzae</i> in an airlift bioreactor. <i>Biochemical Engineering Journal</i> , 1999 , 3, 87-90	4.2	31
334	Hematoxylin Inhibits Amyloid β -Protein Fibrillation and Alleviates Amyloid-Induced Cytotoxicity. <i>Journal of Physical Chemistry B</i> , 2016 , 120, 11360-11368	3.4	30
333	Targeted biopharmaceuticals for cancer treatment. <i>Cancer Letters</i> , 2014 , 352, 145-51	9.9	30
332	Enhanced adsorption capacity of cryogel bed by incorporating polymeric resin particles. <i>Journal of Chromatography A</i> , 2013 , 1272, 20-5	4.5	30

331	Modeling of the whole expanded-bed protein adsorption process with yeast cell suspensions as feedstock. <i>Journal of Chromatography A</i> , 2003 , 1012, 1-10	4.5	30
330	Ac-LVFFARK-NH conjugation to β -cyclodextrin exhibits significantly enhanced performance on inhibiting amyloid β -protein fibrillogenesis and cytotoxicity. <i>Biophysical Chemistry</i> , 2018 , 235, 40-47	3.5	29
329	Insight into the inhibition effect of acidulated serum albumin on amyloid β -protein fibrillogenesis and cytotoxicity. <i>Langmuir</i> , 2014 , 30, 9789-96	4	29
328	Structural and energetic insight into the cross-seeding amyloid assemblies of human IAPP and rat IAPP. <i>Journal of Physical Chemistry B</i> , 2014 , 118, 7026-36	3.4	29
327	Biomimetic design of affinity peptide ligands for human IgG based on protein A-IgG complex. <i>Biochemical Engineering Journal</i> , 2014 , 88, 1-11	4.2	29
326	Molecular mechanism of the effects of salt and pH on the affinity between protein A and human immunoglobulin G1 revealed by molecular simulations. <i>Journal of Physical Chemistry B</i> , 2012 , 116, 424-33	3.4	29
325	Effects of ligand density on hydrophobic charge induction chromatography: molecular dynamics simulation. <i>Journal of Physical Chemistry B</i> , 2010 , 114, 2203-11	3.4	29
324	FYWHCLDE-based affinity chromatography of IgG: effect of ligand density and purifications of human IgG and monoclonal antibody. <i>Journal of Chromatography A</i> , 2014 , 1355, 107-14	4.5	28
323	Fabrication of mono-sized magnetic anion exchange beads for plasmid DNA purification. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2009 , 877, 127-33	3.2	28
322	Displacement chromatography of proteins on hydrophobic charge induction adsorbent column. <i>Journal of Chromatography A</i> , 2007 , 1165, 109-15	4.5	28
321	Rational design of peptide ligand for affinity chromatography of tissue-type plasminogen activator by the combination of docking and molecular dynamics simulations. <i>Journal of Chromatography A</i> , 2007 , 1175, 249-58	4.5	28
320	Particle size and density distributions of two dense matrices in an expanded bed system. <i>Journal of Chromatography A</i> , 2002 , 977, 173-83	4.5	28
319	Continuous production of acetic acid using immobilized acetobacter aceti in a three-phase fluidized bed bioreactor. <i>Journal of Bioscience and Bioengineering</i> , 1990 , 69, 102-110		28
318	Biomimetic design of affinity peptide ligand for capsomere of virus-like particle. <i>Langmuir</i> , 2014 , 30, 8500-8	4	27
317	Novel poly(vinyl alcohol)-based column coating for capillary electrophoresis of proteins. <i>Biochemical Engineering Journal</i> , 2010 , 53, 137-142	4.2	27
316	Cooperation of solid granule and solvent as porogenic agents. Novel porogenic mode of biporous media for protein chromatography. <i>Journal of Chromatography A</i> , 2001 , 922, 77-86	4.5	27
315	Genome-wide analysis of DNA methylation in five tissues of Zhikong scallop, <i>Chlamys farreri</i> . <i>PLoS ONE</i> , 2014 , 9, e86232	3.7	27
314	Self-Assembled Curcumin-Poly(carboxybetaine methacrylate) Conjugates: Potent Nano-Inhibitors against Amyloid β -Protein Fibrillogenesis and Cytotoxicity. <i>Langmuir</i> , 2019 , 35, 1846-1857	4	26

3 ¹³	Iminodiacetic acid-conjugated nanoparticles as a bifunctional modulator against Zn-mediated amyloid β -protein aggregation and cytotoxicity. <i>Journal of Colloid and Interface Science</i> , 2017 , 505, 973-982	9.3	26
3 ¹²	Structured parallel diffusion model for intraparticle mass transport of proteins to porous adsorbent. <i>Biochemical Engineering Journal</i> , 2007 , 37, 298-310	4.2	26
3 ¹¹	Protein adsorption dynamics in cation-exchange chromatography quantitatively studied by confocal laser scanning microscopy. <i>Chemical Engineering Science</i> , 2008 , 63, 4045-4054	4.4	26
3 ¹⁰	Modeling and simulation of protein uptake in cation exchanger visualized by confocal laser scanning microscopy. <i>Journal of Chromatography A</i> , 2006 , 1136, 19-28	4.5	26
3 ⁰⁹	Negatively charged hydrophobic nanoparticles inhibit amyloid β -protein fibrillation: The presence of an optimal charge density. <i>Reactive and Functional Polymers</i> , 2016 , 103, 108-116	4.6	26
3 ⁰⁸	Synergistic effects of negatively charged hydrophobic nanoparticles and (-)-epigallocatechin-3-gallate on inhibiting amyloid β -protein aggregation. <i>Journal of Colloid and Interface Science</i> , 2017 , 491, 305-312	9.3	25
3 ⁰⁷	Ion-exchange resins facilitate like-charged protein refolding: effects of porous solid phase properties. <i>Journal of Chromatography A</i> , 2012 , 1225, 168-73	4.5	25
3 ⁰⁶	Fabrication of superporous agarose beads for protein adsorption: effect of CaCO ₃ granules content. <i>Journal of Chromatography A</i> , 2010 , 1217, 5808-16	4.5	25
3 ⁰⁵	Fabrication of superporous cellulose beads with grafted anion-exchange polymer chains for protein chromatography. <i>Biochemical Engineering Journal</i> , 2007 , 37, 332-337	4.2	25
3 ⁰⁴	Steric mass-action model for dye-ligand affinity adsorption of protein. <i>Journal of Chromatography A</i> , 2002 , 957, 89-97	4.5	25
3 ⁰³	Dependence of pore diffusivity of protein on adsorption density in anion-exchange adsorbent. <i>Biochemical Engineering Journal</i> , 2003 , 14, 45-50	4.2	25
3 ⁰²	High-speed chromatographic purification of plasmid DNA with a customized biporous hydrophobic adsorbent. <i>Biochemical Engineering Journal</i> , 2005 , 27, 33-39	4.2	25
3 ⁰¹	Production of L(+)-lactic acid with <i>Rhizopus oryzae</i> immobilized in polyurethane foam cubes. <i>Biotechnology Letters</i> , 1996 , 18, 225-228	3	25
3 ⁰⁰	Biomolecular engineering of virus-like particles aided by computational chemistry methods. <i>Chemical Society Reviews</i> , 2015 , 44, 8608-18	58.5	24
299	Molecular Simulations of Amyloid Structures, Toxicity, and Inhibition. <i>Israel Journal of Chemistry</i> , 2017 , 57, 586-601	3.4	24
298	Enrichment of coal-bed methane by PSA complemented with CO ₂ displacement. <i>AIChE Journal</i> , 2011 , 57, 645-654	3.6	24
297	Ion-exchange resins greatly facilitate refolding of like-charged proteins at high concentrations. <i>Biotechnology and Bioengineering</i> , 2011 , 108, 1068-77	4.9	24
296	Exploring the inter-molecular interactions in amyloid- β protofibril with molecular dynamics simulations and molecular mechanics Poisson-Boltzmann surface area free energy calculations. <i>Journal of Chemical Physics</i> , 2012 , 136, 145101	3.9	24

295	Controlled Fabrication of Porous Titania Beads by a Sol-Gel Templating Method. <i>Industrial & Engineering Chemistry Research</i> , 2009 , 48, 755-762	3.9	24
294	Modeling of local dynamic behavior of phenol degradation in an internal loop airlift bioreactor by yeast <i>Candida tropicalis</i> . <i>Biotechnology and Bioengineering</i> , 2007 , 97, 251-64	4.9	24
293	Fabrication and characterization of rigid magnetic monodisperse microspheres for protein adsorption. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2007 , 852, 62-8	3.2	24
292	Molecular simulation aspects of amyloid peptides at membrane interface. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2018 , 1860, 1906-1916	3.8	23
291	Charge effects of self-assembled chitosan-hyaluronic acid nanoparticles on inhibiting amyloid β -protein aggregation. <i>Carbohydrate Research</i> , 2018 , 461, 11-18	2.9	23
290	A diffusion model of protein and eluant for affinity filtration. <i>Biochemical Engineering Journal</i> , 1998 , 2, 53-62	4.2	23
289	Novel open tubular CEC with tentacle-type polymer stationary phase functionalized by phenylalanine. <i>Electrophoresis</i> , 2008 , 29, 880-8	3.6	23
288	Analysis of mass transport models based on Maxwell-Stefan theory and Fick's law for protein uptake to porous anion exchanger. <i>Separation and Purification Technology</i> , 2008 , 60, 180-189	8.3	23
287	Enhancing protein capacity of rigid macroporous polymeric adsorbent. <i>Biotechnology Progress</i> , 2001 , 17, 1093-8	2.8	23
286	Effect of hexanol as a cosolvent on partitioning and mass transfer rate of protein extraction using reversed micelles of CB-modified lecithin. <i>Biochemical Engineering Journal</i> , 1999 , 3, 9-16	4.2	23
285	Protein adsorption to poly(ethylenimine)-modified Sepharose FF: VI. Partial charge neutralization drastically increases uptake rate. <i>Journal of Chromatography A</i> , 2016 , 1427, 102-10	4.5	23
284	Nanogels of dual inhibitor-modified hyaluronic acid function as a potent inhibitor of amyloid β -protein aggregation and cytotoxicity. <i>Scientific Reports</i> , 2018 , 8, 3505	4.9	22
283	Measurement and prediction of adsorption equilibrium for a H ₂ /N ₂ /CH ₄ /CO ₂ mixture. <i>AIChE Journal</i> , 2007 , 53, 1178-1191	3.6	22
282	Molecular mechanism for the effects of trehalose on beta-hairpin folding revealed by molecular dynamics simulation. <i>Journal of Molecular Graphics and Modelling</i> , 2008 , 27, 421-9	2.8	22
281	Small-sized dense magnetic pellicular support for magnetically stabilized fluidized bed adsorption of protein. <i>Chemical Engineering Science</i> , 2005 , 60, 917-924	4.4	22
280	MnO ₂ doped CeO ₂ with tailored 3-D channels exhibits excellent performance for NH ₃ -SCR of NO. <i>RSC Advances</i> , 2015 , 5, 26231-26235	3.7	21
279	Grafting glycidyl methacrylate to Sepharose gel for fabricating high-capacity protein anion exchangers. <i>Journal of Chromatography A</i> , 2016 , 1443, 118-25	4.5	21
278	Characterization of novel mixed-mode protein adsorbents fabricated from benzoyl-modified polyethyleneimine-grafted Sepharose. <i>Journal of Chromatography A</i> , 2014 , 1372C, 157-165	4.5	21

277	Novel negatively charged tentacle-type polymer coating for on-line preconcentration of proteins in CE. <i>Electrophoresis</i> , 2009 , 30, 689-95	3.6	21
276	A Predictive Model for Salt Effects on the Dye-Ligand Affinity Adsorption Equilibrium of Protein. <i>Industrial & Engineering Chemistry Research</i> , 2003 , 42, 1235-1242	3.9	21
275	Grafting zwitterionic polymer onto cryogel surface enhances protein retention in steric exclusion chromatography on cryogel monolith. <i>Journal of Chromatography A</i> , 2015 , 1389, 104-11	4.5	20
274	DNA barcoding reveal patterns of species diversity among northwestern Pacific molluscs. <i>Scientific Reports</i> , 2016 , 6, 33367	4.9	20
273	Fabrication of high-capacity cation-exchangers for protein chromatography by atom transfer radical polymerization. <i>Biochemical Engineering Journal</i> , 2016 , 113, 19-29	4.2	20
272	Octapeptide-based affinity chromatography of human immunoglobulin G: comparisons of three different ligands. <i>Journal of Chromatography A</i> , 2014 , 1359, 100-11	4.5	20
271	Biomimetic design of platelet adhesion inhibitors to block integrin $\alpha 2 \beta 1$ -collagen interactions: I. Construction of an affinity binding model. <i>Langmuir</i> , 2014 , 30, 4725-33	4	20
270	Double sequential modifications of composite cryogel beds for enhanced ion-exchange capacity of protein. <i>Journal of Chromatography A</i> , 2013 , 1307, 73-9	4.5	20
269	Alginate-grafted Sepharose FF: A novel polymeric ligand-based cation exchanger for high-capacity protein chromatography. <i>Biochemical Engineering Journal</i> , 2017 , 126, 50-57	4.2	20
268	Poly(4-vinylpyridine): a polymeric ligand for mixed-mode protein chromatography. <i>Journal of Chromatography A</i> , 2014 , 1373, 97-105	4.5	20
267	Fabrication and characterization of open-tubular CEC modified with tentacle-type metal-chelating polymer chains. <i>Electrophoresis</i> , 2007 , 28, 1658-67	3.6	20
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