

Yan Sun

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Fe ₃ O ₄ nanoparticles-mediated solar-driven enzymatic PET degradation with PET hydrolase. <i>Biochemical Engineering Journal</i> , 2022 , 180, 108344	4.2	0
4 ¹⁹	Strategy of optimizing anaerobic digestion of cassava distiller wastewater using a novel automatic biological incubation system.. <i>Journal of Environmental Management</i> , 2022 , 305, 114384	7.9	
4 ¹⁸	Kinetic and molecular insight into immunoglobulin G binding to immobilized recombinant protein A of different orientations.. <i>Journal of Chromatography A</i> , 2022 , 1671, 463040	4.5	
4 ¹⁷	Mulberrin confers protection against hepatic fibrosis by Trim31/Nrf2 signaling.. <i>Redox Biology</i> , 2022 , 51, 102274	11.3	0
4 ¹⁶	Synergistic Effects on the Co-pyrolysis of Agricultural Wastes and Sewage Sludge at Various Ratios.. <i>ACS Omega</i> , 2022 , 7, 1264-1272	3.9	2
4 ¹⁵	Characterization of a heptapeptide-modified microsphere for oriented antibody immobilization.. <i>Journal of Peptide Science</i> , 2022 , e3411	2.1	
4 ¹⁴	Ultrasmall enzyme/light-powered nanomotor facilitates cholesterol detection.. <i>Journal of Colloid and Interface Science</i> , 2022 , 621, 341-351	9.3	0
4 ¹³	Zwitterionic polymer-mediated immobilization of organophosphorus hydrolase enhances hydrolysis of methyl parathion by substrate enrichment. <i>Biochemical Engineering Journal</i> , 2022 , 108491	4.2	1
4 ¹²	Elesesterpenes A-K: Lupane-type Triterpenoids From the Leaves of .. <i>Frontiers in Chemistry</i> , 2021 , 9, 813764		
4 ¹¹	A hybrid nanobiocatalyst with in situ encapsulated enzyme and exsolved Co nanoclusters for complete chemoenzymatic conversion of methyl parathion to 4-aminophenol. <i>Journal of Hazardous Materials</i> , 2021 , 424, 127755	12.8	3
4 ¹⁰	Coassembled Chitosan-Hyaluronic Acid Nanoparticles as a Theranostic Agent Targeting Alzheimer's β -Amyloid. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 55879-55889	9.5	2
4 ⁰⁹	Comparative Analysis Among Different Species Reveals That the Androgen Receptor Regulates Chicken Follicle Selection Through Species-Specific Genes Related to Follicle Development.. <i>Frontiers in Genetics</i> , 2021 , 12, 752976	4.5	
4 ⁰⁸	Cobalt Phosphate Nanocrystals: A Catalase-Like Nanozyme and In Situ Enzyme-Encapsulating Carrier for Efficient Chemoenzymatic Synthesis of β -Keto Acid. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 49974-49981	9.5	1
4 ⁰⁷	Photoresponsive materials for intensified modulation of Alzheimer's amyloid- β protein aggregation: A review. <i>Acta Biomaterialia</i> , 2021 , 123, 93-109	10.8	9
4 ⁰⁶	Stability of Engineered Ferritin Nanovaccines Investigated by Combined Molecular Simulation and Experiments. <i>Journal of Physical Chemistry B</i> , 2021 , 125, 3830-3842	3.4	1
4 ⁰⁵	Excitons competition regulation via organic cation-site and halogen-site co-halogenation of (X-p-PEA)Pb(Cl/Br) perovskites. <i>Journal of Colloid and Interface Science</i> , 2021 , 588, 494-500	9.3	0
4 ⁰⁴	Engineering organophosphate hydrolase for enhanced biocatalytic performance: A review. <i>Biochemical Engineering Journal</i> , 2021 , 168, 107945	4.2	9

403	Unexpected Function of a Heptapeptide-Conjugated Zwitterionic Polymer that Coassembles into β -Amyloid Fibrils and Eliminates the Amyloid Cytotoxicity. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 18089-18099	9.5	4
402	Bandgap Engineering of an Aryl-Fused Tetrathianaphthalene for Visible-Blind Organic Field-Effect Transistors. <i>Frontiers in Chemistry</i> , 2021 , 9, 698246	5	0
401	Inhibition of Arterial Thrombus Formation by Blocking Exposed Collagen Surface Using LWWNSYY-Poly(l-Glutamic Acid) Nanoconjugate. <i>Langmuir</i> , 2021 , 37, 6792-6799	4	2
400	Molecular Insights into the Enhanced Performance of EKylated PETase Toward PET Degradation. <i>ACS Catalysis</i> , 2021 , 11, 7358-7370	13.1	12
399	Fluorine enrichment of vegetables and soil around an abandoned aluminium plant and its risk to human health. <i>Environmental Geochemistry and Health</i> , 2021 , 43, 1137-1154	4.7	10
398	Site-Selective Photoinduced Electron Transfer of Excited-State Intermolecular Hydrogen-Bonded Cluster in Solution. <i>Journal of Cluster Science</i> , 2021 , 32, 93-99	3	0
397	Implications from Eglobulin adsorption onto cation exchangers fabricated by sequential alginate grafting and sulfonation. <i>Chinese Journal of Chemical Engineering</i> , 2021 , 29, 121-125	3.2	
396	Nutrition impact symptoms and weight loss in head and neck cancer during radiotherapy: a longitudinal study. <i>BMJ Supportive and Palliative Care</i> , 2021 , 11, 17-24	2.2	7
395	Equilibrium and mechanism studies of gold(I) extraction from alkaline aurocyanide solution by using fluorine-free ionic liquids. <i>Rare Metals</i> , 2021 , 40, 1987-1994	5.5	3
394	Complicated effects of a zwitterionic polymer containing dimethyl chains on the structures, activities and stabilities of different enzymes. <i>Biochemical Engineering Journal</i> , 2021 , 165, 107813	4.2	2
393	Protein A-based ligands for affinity chromatography of antibodies. <i>Chinese Journal of Chemical Engineering</i> , 2021 , 30, 194-203	3.2	5
392	Non-adiabatic Dynamics Mechanism in Excited State of Novel UV Protective Sunscreen in Rice: Conical Intersection Promotes Internal Conversion. <i>Journal of Cluster Science</i> , 2021 , 32, 967-973	3	1
391	Molecular Insight into Cu-Induced Conformational Transitions of Amyloid β -Protein from Fast Kinetic Analysis and Molecular Dynamics Simulations. <i>ACS Chemical Neuroscience</i> , 2021 , 12, 300-310	5.7	0
390	Recent advances in protein chromatography with polymer-grafted media. <i>Journal of Chromatography A</i> , 2021 , 1638, 461865	4.5	4
389	Protein adsorption to poly(2-aminoethyl methacrylate)-grafted Sepharose gel: Effects of chain length and charge density. <i>Journal of Chromatography A</i> , 2021 , 1638, 461869	4.5	1
388	Nutrition Impact Symptom Clusters in Patients With Head and Neck Cancer Receiving Concurrent Chemoradiotherapy. <i>Journal of Pain and Symptom Management</i> , 2021 , 62, 277-285	4.8	3
387	Unveiling the photoluminescence regulation of colloidal perovskite quantum dots via defect passivation and lattice distortion by potassium cations doping: Not the more the better. <i>Journal of Colloid and Interface Science</i> , 2021 , 596, 199-205	9.3	3
386	Immunogenicity study of engineered ferritins with C- and N-terminus insertion of Epstein-Barr nuclear antigen 1 epitope. <i>Vaccine</i> , 2021 , 39, 4830-4841	4.1	3

385	Immunogenicity and Vaccine Efficacy Boosted by Engineering Human Heavy Chain Ferritin and Chimeric Hepatitis B Virus Core Nanoparticles.. <i>ACS Applied Bio Materials</i> , 2021 , 4, 7147-7156	4.1	2
384	Low modification of PETase enhances its activity toward degrading PET: Effect of conjugate monomer property. <i>Biochemical Engineering Journal</i> , 2021 , 175, 108151	4.2	3
383	Development of poly(methacrylate)-grafted Sepharose FF for cation-exchange chromatography of proteins. <i>Journal of Chromatography A</i> , 2020 , 1634, 461669	4.5	2
382	Ultrafast Nonadiabatic Photoisomerization Dynamics Mechanism for the UV Photoprotection of Stilbenoids in Grape Skin. <i>Chemistry - an Asian Journal</i> , 2020 , 15, 1478-1483	4.5	11
381	Using Electrolytic Manganese Residue to prepare novel nanocomposite catalysts for efficient degradation of Azo Dyes in Fenton-like processes. <i>Chemosphere</i> , 2020 , 252, 126487	8.4	17
380	Activation and stabilization of lipase by grafting copolymer of hydrophobic and zwitterionic monomers onto the enzyme. <i>Biochemical Engineering Journal</i> , 2020 , 158, 107557	4.2	9
379	Pure Hydrogen Production from Polyol Electrolysis Using Polyoxometalates as Both a Liquid Catalyst and a Charge Carrier. <i>Energy & Fuels</i> , 2020 , 34, 10282-10289	4.1	2
378	Photoluminescence spectral broadening, chirality transfer and amplification of chiral perovskite materials (R-X-p-mBZA)PbBr (X = H, F, Cl, Br) regulated by van der Waals and halogen atoms interactions. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 17299-17305	3.6	13
377	LVFFARK-PEG-Stabilized Black Phosphorus Nanosheets Potently Inhibit Amyloid- β Fibrillogenesis. <i>Langmuir</i> , 2020 , 36, 1804-1812	4	17
376	Conjugation of RTHLVFFARK to human lysozyme creates a potent multifunctional modulator for Cu-mediated amyloid β -protein aggregation and cytotoxicity. <i>Journal of Materials Chemistry B</i> , 2020 , 8, 2256-2268	7.3	4
375	Near-Infrared Light-Powered Janus Nanomotor Significantly Facilitates Inhibition of Amyloid- β Fibrillogenesis. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 12618-12628	9.5	41
374	Implications from the grafting density and ionic capacity effects on protein adsorption to poly (N,N-dimethylaminopropyl acrylamide)-grafted sepharose FF. <i>Biochemical Engineering Journal</i> , 2020 , 157, 107546	4.2	4
373	Zwitterionic Polymer Micelles with Dual Conjugation of Doxorubicin and Curcumin: Synergistically Enhanced Efficacy against Multidrug-Resistant Tumor Cells. <i>Langmuir</i> , 2020 , 36, 2383-2395	4	14
372	Design of Multifunctional Agent Based on Basified Serum Albumin for Efficient β -Amyloid Inhibition and Imaging.. <i>ACS Applied Bio Materials</i> , 2020 , 3, 3365-3377	4.1	5
371	Lysozyme adsorption to cation exchanger derivatized by sequential modification of poly(ethylenimine)-Sepharose with succinic anhydride and ethanolamine: Effect of pH and ionic strength. <i>Chinese Journal of Chemical Engineering</i> , 2020 , 28, 440-444	3.2	5
370	Protein cation exchangers derived by charge reversal from poly(ethylenimine)-Sepharose FF: Comparisons between two derivatization routes. <i>Journal of Chromatography A</i> , 2020 , 1611, 460586	4.5	4
369	Fabrication and characterization of epoxylated zwitterionic copolymer-grafted silica nanoparticle as a new support for lipase immobilization. <i>Chinese Journal of Chemical Engineering</i> , 2020 , 28, 1129-1135	3.2	3
368	Nitrogen-Doped Carbonized Polymer Dots: A Potent Scavenger and Detector Targeting Alzheimer's β -Amyloid Plaques. <i>Small</i> , 2020 , 16, e2002804	11	15

367	Efflux mechanism and pathway of verapamil pumping by human P-glycoprotein. <i>Archives of Biochemistry and Biophysics</i> , 2020 , 696, 108675	4.1	7
366	Influence of Synthesis Methods on the High-Efficiency Removal of Cr(VI) from Aqueous Solution by Fe-Modified Magnetic Biochars. <i>ACS Omega</i> , 2020 , 5, 31234-31243	3.9	12
365	Protein adsorption to (3-acrylamido propyl) trimethyl ammonium chloride-grafted Sepharose gel: Charge density reduction via copolymerizing with electroneutral monomer drastically increases uptake rate. <i>Journal of Chromatography A</i> , 2020 , 1629, 461483	4.5	3
364	Multiwavelength Phototactic Micromotor with Controllable Swarming Motion for "Chemistry-on-the-Fly". <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 41495-41505	9.5	14
363	Zwitterionic polymer-coated porous poly(vinyl acetate-divinyl benzene) microsphere: A new support for enhanced performance of immobilized lipase. <i>Chinese Journal of Chemical Engineering</i> , 2020 , 28, 242-248	3.2	5
362	Profiling and characterization of miRNAs associated with intramuscular fat content in Yorkshire pigs. <i>Animal Biotechnology</i> , 2020 , 31, 256-263	1.4	2
361	Protein adsorption to poly(ethylenimine)-modified Sepharose FF: VIII: Impacts of surface ion-exchange groups at different polymer grafting densities. <i>Journal of Chromatography A</i> , 2020 , 1610, 460538	4.5	3
360	Lipase immobilized to a short alkyl chain-containing zwitterionic polymer grafted on silica nanoparticles: Moderate activation and significant increase of thermal stability. <i>Biochemical Engineering Journal</i> , 2019 , 146, 124-131	4.2	12
359	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
358	Seeding and Cross-Seeding Aggregations of A β and Its N-Terminal-Truncated Peptide A β . <i>Langmuir</i> , 2019 , 35, 2821-2831	4	8
357	In-situ Reduction Synthesis of Bi/BiOI Heterostructure Films with High Photoelectrochemical Activity. <i>Chemical Research in Chinese Universities</i> , 2019 , 35, 662-666	2.2	2
356	Autonomous motion of immobilized enzyme on Janus particles significantly facilitates enzymatic reactions. <i>Biochemical Engineering Journal</i> , 2019 , 149, 107242	4.2	14
355	Behavior, remediation effect and toxicity of nanomaterials in water environments. <i>Environmental Research</i> , 2019 , 174, 54-60	7.9	72
354	Modification of Serum Albumin by High Conversion of Carboxyl to Amino Groups Creates a Potent Inhibitor of Amyloid β -Protein Fibrillogenesis. <i>Bioconjugate Chemistry</i> , 2019 , 30, 1477-1488	6.3	7
353	LVFFARK conjugation to poly (carboxybetaine methacrylate) remarkably enhances its inhibitory potency on amyloid β -protein fibrillogenesis. <i>Reactive and Functional Polymers</i> , 2019 , 140, 72-81	4.6	7
352	Biochemical engineering in China. <i>Reviews in Chemical Engineering</i> , 2019 , 35, 929-993	5	1
351	H3K27me3 Depletion during Differentiation Promotes Myogenic Transcription in Porcine Satellite Cells. <i>Genes</i> , 2019 , 10,	4.2	7
350	Cysteine-modified poly(glycidyl methacrylate) grafted onto silica nanoparticles: New supports for significantly enhanced performance of immobilized lipase. <i>Biochemical Engineering Journal</i> , 2019 , 145, 137-144	4.2	14

349	Insights into the molecular structure of immobilized protein A ligands on dextran-coated nanoparticles: Comprehensive spectroscopic investigation. <i>Biochemical Engineering Journal</i> , 2019 , 146, 20-30	4.2	7
348	Understanding the influence of carbon nanomaterials on microbial communities. <i>Environment International</i> , 2019 , 126, 690-698	12.9	57
347	Poly(N,N-dimethylaminopropyl acrylamide)-grafted Sepharose FF: A new anion exchanger of very high capacity and uptake rate for protein chromatography. <i>Journal of Chromatography A</i> , 2019 , 1597, 187-195	4.5	15
346	Molecular Dynamics Simulation of the Effect of Carbon Space Lengths on the Antifouling Properties of Hydroxyalkyl Acrylamides. <i>Langmuir</i> , 2019 , 35, 3576-3584	4	12
345	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
344	Fabrication of high-capacity cation-exchangers for protein adsorption: Comparison of grafting-from and grafting-to approaches. <i>Frontiers of Chemical Science and Engineering</i> , 2019 , 13, 120-132	4.5	4
343	Synthetic genome with recoding. <i>Science China Life Sciences</i> , 2019 , 62, 1096-1097	8.5	1
342	Molecular Energetics of Doxorubicin Pumping by Human P-Glycoprotein. <i>Journal of Chemical Information and Modeling</i> , 2019 , 59, 3889-3898	6.1	5
341	Controlled synthesis of PEGylated surface protein-imprinted nanoparticles. <i>Analyst, The</i> , 2019 , 144, 5439-5448	5.4	8
340	Mixed Carboxyl and Hydrophobic Dendrimer Surface Inhibits Amyloid- β Fibrillation: New Insight from the Generation Number Effect. <i>Langmuir</i> , 2019 , 35, 14681-14687	4	8
339	Visualization and Modeling of Protein Adsorption and Transport in DEAE- and DEAE-Dextran-Modified Bare Capillaries. <i>AIChE Journal</i> , 2019 , 65, 305-316	3.6	2
338	Klf4 could be activated by Pou5f3/Stat3 to induce the expression of Nanog in Japanese flounder. <i>Gene</i> , 2019 , 687, 56-63	3.8	2
337	d-Enantiomeric RTHLVFFARK-NH: A Potent Multifunctional Decapeptide Inhibiting Cu-Mediated Amyloid β -Protein Aggregation and Remodeling Cu-Mediated Amyloid β Aggregates. <i>ACS Chemical Neuroscience</i> , 2019 , 10, 1390-1401	5.7	17
336	Protein adsorption to poly(allylamine)-modified Sepharose FF: Influences of polymer size and partial charge neutralization. <i>Biochemical Engineering Journal</i> , 2019 , 142, 153-161	4.2	7
335	Head-to-tail cyclization of a heptapeptide eliminates its cytotoxicity and significantly increases its inhibition effect on amyloid β -protein fibrillation and cytotoxicity. <i>Frontiers of Chemical Science and Engineering</i> , 2018 , 12, 283-295	4.5	8
334	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
333	Implications from protein adsorption onto anion- and cation-exchangers derivatized by modification of poly(ethylenimine)-Sepharose FF with succinic anhydride. <i>Biochemical Engineering Journal</i> , 2018 , 132, 79-89	4.2	15
332	Oxidative Stress Induces Neuronal Apoptosis Through Suppressing Transcription Factor EB Phosphorylation at Ser467. <i>Cellular Physiology and Biochemistry</i> , 2018 , 46, 1536-1554	3.9	14

331	Bifunctionality of Iminodiacetic Acid-Modified Lysozyme on Inhibiting Zn-Mediated Amyloid β -Protein Aggregation. <i>Langmuir</i> , 2018 , 34, 5106-5115	4	13
330	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
329	Unfound Associated Resonant Model and Its Impact on Response of a Quartz Crystal Microbalance in the Liquid Phase. <i>Analytical Chemistry</i> , 2018 , 90, 2796-2804	7.8	7
328	Molecular simulation aspects of amyloid peptides at membrane interface. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2018 , 1860, 1906-1916	3.8	23
327	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
326	RTHLVFFARK-NH: A potent and selective modulator on Cu-mediated amyloid- β protein aggregation and cytotoxicity. <i>Journal of Inorganic Biochemistry</i> , 2018 , 181, 56-64	4.2	16
325	Design of nonapeptide LVFFARKHH: A bifunctional agent against Cu-mediated amyloid β -protein aggregation and cytotoxicity. <i>Journal of Molecular Recognition</i> , 2018 , 31, e2697	2.6	16
324	Poly(carboxybetaine methacrylate)-grafted silica nanoparticle: A novel carrier for enzyme immobilization. <i>Biochemical Engineering Journal</i> , 2018 , 132, 122-129	4.2	32
323	Characterization of new polymer-grafted protein cation exchangers developed by partial neutralization of carboxyl groups derivatized by modification of poly(ethylenimine)-Sepharose with succinic anhydride. <i>Journal of Chromatography A</i> , 2018 , 1550, 28-34	4.5	11
322	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
321	Charged Surface Regulates the Molecular Interactions of Electrostatically Repulsive Peptides by Inducing Oriented Alignment. <i>Langmuir</i> , 2018 , 34, 4390-4397	4	6
320	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
319	Protein adsorption onto diethylaminoethyl dextran modified anion exchanger: Effect of ionic strength and column behavior. <i>Chinese Journal of Chemical Engineering</i> , 2018 , 26, 259-267	3.2	12
318	Design of biomimetic surface for fabrication of monodispersed silver nanoparticles with high catalytic activity. <i>Materials Letters</i> , 2018 , 229, 316-319	3.3	6
317	Carnosine-LVFFARK-NH Conjugate: A Moderate Chelator but Potent Inhibitor of Cu-Mediated Amyloid β -Protein Aggregation. <i>ACS Chemical Neuroscience</i> , 2018 , 9, 2689-2700	5.7	17
316	Grafting glycidyl methacrylate-iminodiacetic acid conjugate to Sepharose FF for fabrication of high-capacity protein cation exchangers. <i>Biochemical Engineering Journal</i> , 2018 , 138, 74-80	4.2	13
315	Adsorption Properties of N ₂ , CH ₄ , and CO ₂ on Sulfur-Doped Microporous Carbons. <i>Journal of Chemical & Engineering Data</i> , 2018 , 63, 2914-2920	2.8	12
314	Magnetism-Resolved Separation and Fluorescence Quantification for Near-Simultaneous Detection of Multiple Pathogens. <i>Analytical Chemistry</i> , 2018 , 90, 9621-9628	7.8	38

313	A comparative investigation of random and oriented immobilization of protein A ligands on the binding of immunoglobulin G. <i>Biochemical Engineering Journal</i> , 2018 , 139, 15-24	4.2	8
312	Synthesis of thermo-responsive bovine hemoglobin imprinted nanoparticles by combining ionic liquid immobilization with aqueous precipitation polymerization. <i>Journal of Separation Science</i> , 2018 , 41, 765-773	3.4	10
311	Tanshinones inhibit hIAPP aggregation, disaggregate preformed hIAPP fibrils, and protect cultured cells. <i>Journal of Materials Chemistry B</i> , 2018 , 6, 56-67	7.3	43
310	Basified Human Lysozyme: A Potent Inhibitor against Amyloid β -Protein Fibrillogenesis. <i>Langmuir</i> , 2018 , 34, 15569-15577	4	11
309	Hydrophobic Modification of Carboxyl-Terminated Polyamidoamine Dendrimer Surface Creates a Potent Inhibitor of Amyloid- β Fibrillation. <i>Langmuir</i> , 2018 , 34, 14419-14427	4	9
308	Protein adsorption to poly(ethylenimine)-modified sepharose FF: VII. Complicated effects of pH. <i>Journal of Chromatography A</i> , 2018 , 1580, 72-79	4.5	13
307	High uptake rate and extremely salt-tolerant behavior of protein adsorption to 900 kDa poly(allylamine)-modified Sepharose FF. <i>Biochemical Engineering Journal</i> , 2018 , 134, 94-100	4.2	8
306	Sequential alginate grafting and sulfonation significantly improve the performance of alginate-grafted Sepharose FF for protein chromatography. <i>Biochemical Engineering Journal</i> , 2018 , 137, 11-17	4.2	9
305	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
304	Controllable synthesis of Ce-doped β -MnO ₂ for low-temperature selective catalytic reduction of NO. <i>Catalysis Science and Technology</i> , 2017 , 7, 1565-1572	5.5	17
303	Identification of a New Function of Cardiovascular Disease Drug 3-Morpholiniosydnonimine Hydrochloride as an Amyloid- β Aggregation Inhibitor. <i>ACS Omega</i> , 2017 , 2, 243-250	3.9	9
302	Implications from protein uptake kinetics onto dextran-grafted Sepharose FF coupled with ion exchange and affinity ligands. <i>Chinese Journal of Chemical Engineering</i> , 2017 , 25, 906-910	3.2	8
301	para-Sulfonatocalix[n]arenes Inhibit Amyloid β -Peptide Fibrillation and Reduce Amyloid Cytotoxicity. <i>Chemistry - an Asian Journal</i> , 2017 , 12, 341-346	4.5	16
300	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
299	Scallop genome provides insights into evolution of bilaterian karyotype and development. <i>Nature Ecology and Evolution</i> , 2017 , 1, 120	12.3	202
298	Kinetic Insights into Zn-Induced Amyloid β -Protein Aggregation Revealed by Stopped-Flow Fluorescence Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2017 , 121, 3909-3917	3.4	15
297	Modulation effect of acidulated human serum albumin on Cu-mediated amyloid β -protein aggregation and cytotoxicity under a mildly acidic condition. <i>Journal of Inorganic Biochemistry</i> , 2017 , 171, 67-75	4.2	15
296	Brazilin Inhibits Prostatic Acidic Phosphatase Fibrillogenesis and Decreases its Cytotoxicity. <i>Chemistry - an Asian Journal</i> , 2017 , 12, 1062-1068	4.5	10

295	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
294	Characterization of poly(allylamine) as a polymeric ligand for ion-exchange protein chromatography. <i>Journal of Chromatography A</i> , 2017 , 1486, 103-109	4.5	15
293	Adsorption Properties of C ₂ H ₄ and C ₃ H ₆ on 11 Adsorbents. <i>Journal of Chemical & Engineering Data</i> , 2017 , 62, 417-421	2.8	14
292	A novel polymer-grafted cation exchanger for high-capacity protein chromatography: The role of polymer architecture. <i>Biochemical Engineering Journal</i> , 2017 , 128, 218-227	4.2	11
291	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
290	Iminodiacetic Acid-Modified Human Serum Albumin: A Multifunctional Agent against Metal-Associated Amyloid β -Protein Aggregation and Cytotoxicity. <i>ACS Chemical Neuroscience</i> , 2017 , 8, 2214-2224	5.7	9
289	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	8.3	26
288	Molecular Simulations of Amyloid Structures, Toxicity, and Inhibition. <i>Israel Journal of Chemistry</i> , 2017 , 57, 586-601	3.4	24
287	Fabrication of High Efficient Silver Nanoparticle Catalyst Supported on Poly(glycidyl methacrylate)-Polyacrylamide. <i>Industrial & Engineering Chemistry Research</i> , 2016 , 55, 12398-12406	3.9	11
286	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
285	Development of antithrombotic nanoconjugate blocking integrin α 2 β 1-collagen interactions. <i>Scientific Reports</i> , 2016 , 6, 26292	4.9	4
284	DNA barcoding reveal patterns of species diversity among northwestern Pacific molluscs. <i>Scientific Reports</i> , 2016 , 6, 33367	4.9	20
283	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
282	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
281	Affinity chromatography of human IgG with octapeptide ligands identified from eleven peptide-ligand candidates. <i>Biochemical Engineering Journal</i> , 2016 , 107, 18-25	4.2	10
280	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
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