Kongyin Zhao

List of Publications by Year
in descending order

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43 papers	1,260 citations	361413 20 h-index	361022 35 g-index
43 all docs	43 docs citations	43 times ranked	1322 citing authors

#	Article	IF	Citations
1	Preparation and dye filtration property of electrospun polyhydroxybutyrateâ€“calcium alginate/carbon nanotubes composite nanofibrous filtration membrane. Separation and Purification Technology, 2016, 161, 69-79.	7.9	128
2	Calcium alginate hydrogel filtration membrane with excellent anti-fouling property and controlled separation performance. Journal of Membrane Science, 2015, 492, 536-546.	8.2	117
3	A free-standing calcium alginate/polyacrylamide hydrogel nanofiltration membrane with high anti-fouling performance: Preparation and characterization. Desalination, 2015, 365, 234-241.	8.2	103
4	Adsorption and photocatalytic degradation of methyl orange imprinted composite membranes using TiO2/calcium alginate hydrogel as matrix. Catalysis Today, 2014, 236, 127-134.	4.4	81
5	Preparation and adsorption of bovine serum albumin-imprinted polyacrylamide hydrogel membrane grafted on non-woven polypropylene. Talanta, 2014, 121, 256-262.	5.5	68
6	Rebinding and recognition properties of protein-macromolecularly imprinted calcium phosphate/alginate hybrid polymer microspheres. Reactive and Functional Polymers, 2008, 68, 732-741.	4.1	65
7	Simple fabrication of Cu2+ doped calcium alginate hydrogel filtration membrane with excellent anti-fouling and antibacterial properties. Chinese Chemical Letters, 2021, 32, 1051-1054.	9.0	49
8	Preparation, characterization and photocatalytic degradation properties of a TiO₂/calcium alginate composite film and the recovery of TiO₂nanoparticles. RSC Advances, 2014, 4, 51321-51329.	3.6	48
9	Plant-mediated biosynthesis of iron nanoparticles-calcium alginate hydrogel membrane and its eminent performance in removal of Cr(VI). Chemical Engineering Journal, 2019, 378, 122120.	12.7	46
10	Adsorption and recognition of protein molecular imprinted calcium alginate/polyacrylamide hydrogel film with good regeneration performance and high toughness. Reactive and Functional Polymers, 2015, 87, 7-14.	4.1	41
11	Adsorption of dibutyl phthalate in aqueous solution by mesoporous calcium silicate grafted non-woven polypropylene. Chemical Engineering Journal, 2016, 306, 452-459.	12.7	40
12	Polypropylene non-woven supported calcium alginate hydrogel filtration membrane for efficient separation of dye/salt at low salt concentration. Desalination, 2021, 500, 114845.	8.2	35
13	Preparation and evaluation of PCLâ€“PEGâ€“PCL polymeric nanoparticles for doxorubicin delivery against breast cancer. RSC Advances, 2016, 6, 54727-54737.	3.6	34
14	Adsorption and Electrochemical Detection of Bovine Serum Albumin Imprinted Calcium Alginate Hydrogel Membrane. Polymers, 2019, 11, 622.	4.5	30
15	Anti-fouling and anti-bacterial graphene oxide/calcium alginate hybrid hydrogel membrane for efficient dye/salt separation. Desalination, 2022, 538, 115908.	8.2	28
16	Kaolin/CaAlg Hydrogel Thin Membrane with Controlled Thickness, High Mechanical Strength, and Good Repetitive Adsorption Performance for Dyes. Industrial & Engineering Chemistry Research, 2020, 59, 4958-4967.	3.7	25
17	Chain stiffness regulates entropy-templated perfect mixing at single-nanoparticle level. Nanoscale, 2016, 8, 1024-1032.	5.6	23
18	Calcium alginate and barium alginate hydrogel filtration membrane coated on fibers for molecule/ion separation. Separation and Purification Technology, 2021, 270, 118761.	7.9	23

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19	Oxalic acid cross-linked sodium alginate and carboxymethyl chitosan hydrogel membrane for separation of dye/NaCl at high NaCl concentration. Chinese Chemical Letters, 2022, 33, 1951-1955.	9.0	23
20	Biologically inspired silk fibroin grafted polyacrylonitrile filtration membrane prepared in ZnCl2 aqueous solution. Chinese Chemical Letters, 2019, 30, 239-242.	9.0	21
21	Preparation of bovine serum albuminâ€imprinted calcium polyacrylate/alginate hybrid microspheres via Ca²⁺ crosslinking. Journal of Applied Polymer Science, 2009, 113, 1133-1140.	2.6	20
22	Preparation and characterization of protein molecularly imprinted polysiloxane using mesoporous calcium silicate as matrix by solâ€“gel technology. Journal of Sol-Gel Science and Technology, 2014, 71, 428-436.	2.4	20
23	Macromolecularly imprinted calcium phosphate/alginate hybrid polymer microspheres with the surface imprinting of bovine serum albumin in inverseâ€phase suspension. Journal of Applied Polymer Science, 2008, 109, 2687-2693.	2.6	19
24	Preparation, characterization, and photocatalytic degradation properties of polyacrylamide/calcium alginate/<scp>T</scp>i<scp>O</scp>₂ composite film. Polymer Composites, 2016, 37, 1292-1301.	4.6	19
25	Targeted delivery and thermo/pH-controlled release of doxorubicin by novel nanocapsules. Journal of Materials Science, 2018, 53, 2326-2336.	3.7	17
26	Preparation of Protein Molecular-Imprinted Polysiloxane Membrane Using Calcium Alginate Film as Matrix and Its Application for Cell Culture. Polymers, 2018, 10, 170.	4.5	16
27	Enrichment of Cd2+ from water with a calcium alginate hydrogel filtration membrane. Science China Technological Sciences, 2018, 61, 438-445.	4.0	13
28	Removal of Dyes and Cd2+ in Water by Kaolin/Calcium Alginate Filtration Membrane. Coatings, 2019, 9, 218.	2.6	13
29	Preparation and characterization of protein imprinted agarose microspheres. Polymer Bulletin, 2010, 65, 245-263.	3.3	11
30	Imprinting of bovine serum albumin in a nonwoven polypropylene membrane supported polyacrylamide/calcium alginate interpenetrating polymer network hydrogel. RSC Advances, 2014, 4, 55846-55852.	3.6	11
31	Adsorption and photocatalytic degradation of dyes on polyacrylamide/calcium alginate/TiO₂ composite film. Functional Materials Letters, 2015, 08, 1540014.	1.2	11
32	Preparation and rebinding properties of proteinâ€imprinted polysiloxane using mesoporous calcium silicate grafted nonâ€woven polypropylene as matrix. Journal of Molecular Recognition, 2016, 29, 115-122.	2.1	10
33	Bisphenol A Adsorption Properties of Mesoporous CaSiO₃@SiO₂ Grafted Nonwoven Polypropylene Fiber. Industrial & Engineering Chemistry Research, 2017, 56, 2549-2556.	3.7	8
34	Molecularly-Imprinted Calcium Phosphate/Calcium Alginate Composite Microspheres by Surface Imprinting via Silane Crosslinking. Adsorption Science and Technology, 2008, 26, 631-641.	3.2	7
35	The Rebinding Properties of Bovine Serum Albumin Imprinted Calcium Alginate/Phosphate Hybrid Microspheres Via the Adjustment of pH Values and Salt Concentration. Macromolecular Symposia, 2010, 297, 126-137.	0.7	7
36	Preparation of tricalcium phosphateâ€“calcium alginate composite flat sheet membranes and their application for protein release. Polymer Composites, 2015, 36, 1899-1906.	4.6	6

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37	Preparation of hydroxyapatite/Ca-alginate composite microspheres via inverse suspension crosslinked method. Journal of Applied Polymer Science, 2007, 104, 2034-2038.	2.6	5
38	Efficient removal of Cd2+ ion from water by calcium alginate hydrogel filtration membrane. Water Science and Technology, 2017, 75, 2322-2330.	2.5	5
39	Ultra-stable dextran conjugated prodrug micelles for oxidative stress and glycometabolic abnormality combination treatment of Alzheimer's disease. International Journal of Biological Macromolecules, 2022, 203, 430-444.	7.5	5
40	Adsorption and sustained release of haemoglobin imprinted polysiloxane using a calcium alginate film as a matrix. RSC Advances, 2015, 5, 26977-26984.	3.6	4
41	Adsorption properties of dye imprinted polysiloxane composite microspheres using strong basic anion-exchange resin as matrix. Desalination and Water Treatment, 2013, 51, 7604-7611.	1.0	2
42	Stability of acrylic acid grafted poly(vinylidene fluoride) hollow fiber membrane prepared by highâ€energy electron beam. Journal of Applied Polymer Science, 2014, 131, .	2.6	2
43	Preparation and characterization of protein molecular imprinted calcium alginate hydrogel film with controllable thickness. Zhongguo Kexue Jishu Kexue/Scientia Sinica Technologica, 2016, 46, 931-939.	0.5	1