

Shouyong Zhou

List of Publications by Year in descending order

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74
papers

2,947
citations

159585

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52
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75
all docs

75
docs citations

75
times ranked

3393
citing authors

#	ARTICLE	IF	CITATIONS
1	Two-dimensional graphitic carbon nitride for membrane separation. Chinese Journal of Chemical Engineering, 2022, 42, 297-311.	3.5	17
2	Anti-fouling and easy-cleaning PVDF membranes blended with hydrophilic thermo-responsive nanofibers for efficient biological wastewater treatment. Separation and Purification Technology, 2022, 281, 119881.	7.9	29
3	A carbonylative coupling approach to alkyl stationary phases with variable embedded carbamate groups for high-performance liquid chromatography. Journal of Chromatography A, 2022, 1661, 462718.	3.7	8
4	Asymmetric poly (vinyl alcohol)/Schiff base network framework hybrid pervaporation membranes for ethanol dehydration. European Polymer Journal, 2022, 162, 110924.	5.4	16
5	Anchoring cobalt single atoms on 2D covalent triazine framework with charge nanospatial separation for enhanced photocatalytic pollution degradation. Materials Today Chemistry, 2022, 24, 100832.	3.5	10
6	Underwater superoleophobic mesh with robust Anthurium andraeanum-like attapulgite coating layer for effective oil spill recovery. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 648, 129184.	4.7	3
7	Adsorption behaviors and mechanism of heavy metals onto attapulgite functionalized by polyamine silane. Journal of the American Ceramic Society, 2021, 104, 1887-1901.	3.8	16
8	Preparation and properties of a low-cost porous ceramic support from low-grade palygorskite clay and silicon-carbide with vanadium pentoxide additives. Chinese Journal of Chemical Engineering, 2021, 29, 417-425.	3.5	13
9	Construction of graphitic carbon nitride nanosheets via an improved solvent exfoliation strategy and interfacial mechanics insight from molecular dynamics simulations. Journal of Porous Materials, 2021, 28, 943-954.	2.6	8
10	In situ generated micro-bubbles enhanced membrane antifouling for separation of oil-in-water emulsion. Journal of Membrane Science, 2021, 621, 119005.	8.2	48
11	A docosyl-terminated polyamine amphiphile-bonded stationary phase for multimodal separations in liquid chromatography. Journal of Chromatography A, 2021, 1642, 462045.	3.7	10
12	A novel ceramic microfiltration membrane fabricated by anthurium andraeanum-like attapulgite nanofibers for high-efficiency oil-in-water emulsions separation. Journal of Membrane Science, 2021, 630, 119291.	8.2	51
13	Palygorskite@Co3O4 nanocomposites as efficient peroxidase mimics for colorimetric detection of H2O2 and ascorbic acid. Applied Clay Science, 2021, 209, 106109.	5.2	20
14	Simulation study on real laminar assembly of g-C3N4 high performance free standing membrane with bio-based materials. Separation and Purification Technology, 2021, 278, 119598.	7.9	9
15	Preparation of poly (vinyl alcohol)/palygorskite-poly (ionic liquids) hybrid catalytic membranes to facilitate esterification. Separation and Purification Technology, 2020, 230, 115746.	7.9	21
16	Polyacrylonitrile-supported self-aggregation crosslinked poly (vinyl alcohol) pervaporation membranes for ethanol dehydration. European Polymer Journal, 2020, 122, 109359.	5.4	14
17	A highly efficient acyl-transfer approach to urea-functionalized silanes and their immobilization onto silica gel as stationary phases for liquid chromatography. Journal of Chromatography A, 2020, 1626, 461366.	3.7	11
18	Recent advances in catalytic and autocatalytic production of biomass-derived 5-hydroxymethylfurfural. Renewable and Sustainable Energy Reviews, 2020, 134, 110317.	16.4	69

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19	Redox-Switchable Biocatalyst for Controllable Oxidation or Reduction of 5-Hydroxymethylfurfural into High-Value Derivatives. <i>ACS Omega</i> , 2020, 5, 19625-19632.	3.5	15
20	Enhancement of hydroxide conductivity by incorporating nanofiber-like palygorskite into quaternized polysulfone as anion exchange membranes. <i>Applied Clay Science</i> , 2020, 195, 105702.	5.2	14
21	Evaluation of hydroxyapatite derived from flue gas desulphurization gypsum on simultaneous immobilization of lead and cadmium in contaminated soil. <i>Journal of Hazardous Materials</i> , 2020, 400, 123038.	12.4	39
22	PVDF mixed matrix ultrafiltration membrane incorporated with deformed rebar-like Fe ₃ O ₄ @palygorskite nanocomposites to enhance strength and antifouling properties. <i>Journal of Membrane Science</i> , 2020, 612, 118467.	8.2	60
23	Design and evaluation of polar-embedded stationary phases containing triacontyl group for liquid chromatography. <i>Journal of Chromatography A</i> , 2020, 1621, 461035.	3.7	15
24	PVDF/palygorskite composite ultrafiltration membranes: Effects of nano-clay particles on membrane structure and properties. <i>Applied Clay Science</i> , 2019, 181, 105171.	5.2	33
25	A new low-cost hydroxyapatite for efficient immobilization of lead. <i>Journal of Colloid and Interface Science</i> , 2019, 553, 798-804.	9.4	20
26	Diffusion behaviors of ethanol and water through g-C ₃ N ₄ -based membranes: Insights from molecular dynamics simulation. <i>Journal of Membrane Science</i> , 2019, 585, 81-89.	8.2	29
27	Enhanced fouling and wetting resistance of composite Hyflon AD/poly(vinylidene fluoride) membrane in vacuum membrane distillation. <i>Separation and Purification Technology</i> , 2019, 211, 135-140.	7.9	27
28	Catalytic Advances in the Production and Application of Biomass-Derived 2,5-Dihydroxymethylfuran. <i>ACS Catalysis</i> , 2018, 8, 2959-2980.	11.2	210
29	A versatile polar-embedded polyphenyl phase for multimodal separation in liquid chromatography. <i>Journal of Chromatography A</i> , 2018, 1553, 81-89.	3.7	24
30	Controllable construction of polymer/inorganic interface for poly(vinyl alcohol)/graphitic carbon nitride hybrid pervaporation membranes. <i>Chemical Engineering Science</i> , 2018, 181, 237-250.	3.8	41
31	Selective transformation of biomass-derived 5-hydroxymethylfurfural into 2,5-dihydroxymethylfuran via catalytic transfer hydrogenation over magnetic zirconium hydroxides. <i>Korean Journal of Chemical Engineering</i> , 2018, 35, 99-109.	2.7	34
32	Simple Synthesis of High Specific Surface Carbon Nitride for Adsorption-Enhanced Photocatalytic Performance. <i>Nanoscale Research Letters</i> , 2018, 13, 248.	5.7	20
33	Biocatalytic Transformation of 5-Hydroxymethylfurfural into High-Value Derivatives: Recent Advances and Future Aspects. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 15915-15935.	6.7	122
34	Tuning selectivity via electronic interaction: Preparation and systematic evaluation of serial polar-embedded aryl stationary phases bearing large polycyclic aromatic hydrocarbons. <i>Analytica Chimica Acta</i> , 2018, 1036, 162-171.	5.4	13
35	Recent advances in catalytic transformation of biomass-derived 5-hydroxymethylfurfural into the innovative fuels and chemicals. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 74, 230-257.	16.4	308
36	Asymmetric whole-cell bioreduction of sterically bulky 2-benzoylpyridine derivatives in aqueous hydrophilic ionic liquid media. <i>Chemical Engineering Journal</i> , 2017, 316, 919-927.	12.7	38

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37	Heterogeneous poly(ionic liquids) catalyst on nanofiber-like palygorskite supports for biodiesel production. <i>Applied Clay Science</i> , 2017, 146, 167-175.	5.2	25
38	Morphology control of mesoporous Cu ₂ O by reductants and its photocatalytic activity. <i>Ceramics International</i> , 2017, 43, 8222-8229.	4.8	18
39	Graphitic carbon nitride nanosheets embedded in poly(vinyl alcohol) nanocomposite membranes for ethanol dehydration via pervaporation. <i>Separation and Purification Technology</i> , 2017, 188, 24-37.	7.9	74
40	Purification of cellulase fermentation broth via low cost ceramic microfiltration membranes with nanofibers-like attapulgite separation layers. <i>Separation and Purification Technology</i> , 2017, 175, 435-442.	7.9	36
41	Enhanced hydrophilicity of a thermo-responsive PVDF/palygorskite-g-PNIPAAm hybrid ultrafiltration membrane via surface segregation induced by temperature. <i>RSC Advances</i> , 2016, 6, 62186-62192.	3.6	17
42	Adsorption and separation of carbon dioxide and methane in new zeolites using the Grand Canonical Monte Carlo method. <i>Adsorption</i> , 2016, 22, 891-899.	3.0	3
43	Adsorption behaviors of CO ₂ and CH ₄ on zeolites JSR and NanJSR using the GCMC simulations. <i>Adsorption</i> , 2016, 22, 1065-1073.	3.0	7
44	Catalytic hydrolysis of microcrystalline and rice straw-derived cellulose over a chlorine-doped magnetic carbonaceous solid acid. <i>Industrial Crops and Products</i> , 2016, 84, 408-417.	5.2	70
45	Efficient hydrolysis of cellulose over a magnetic lignin-derived solid acid catalyst in 1-butyl-3-methylimidazolium chloride. <i>Korean Journal of Chemical Engineering</i> , 2016, 33, 1232-1238.	2.7	16
46	Preparation of a new ceramic microfiltration membrane with a separation layer of attapulgite nanofibers. <i>Materials Letters</i> , 2015, 143, 27-30.	2.6	34
47	Novel polyamidoamine dendrimer-functionalized palygorskite adsorbents with high adsorption capacity for Pb ²⁺ and reactive dyes. <i>Applied Clay Science</i> , 2015, 107, 220-229.	5.2	69
48	Chemocatalytic hydrolysis of cellulose into glucose over solid acid catalysts. <i>Applied Catalysis B: Environmental</i> , 2015, 174-175, 225-243.	20.2	216
49	PVDF/palygorskite composite ultrafiltration membranes with enhanced abrasion resistance and flux. <i>Journal of Membrane Science</i> , 2015, 495, 91-100.	8.2	42
50	Fabrication of porous attapulgite hollow fiber membranes for liquid filtration. <i>Materials Letters</i> , 2015, 161, 132-135.	2.6	28
51	Magnetically separable attapulgite-TiO ₂ -Fe ₃ O ₄ composites with superior activity towards photodegradation of methyl orange under visible light radiation. <i>Journal of Industrial and Engineering Chemistry</i> , 2014, 20, 3884-3889.	5.8	31
52	Exceptional visible-light-induced photocatalytic activity of attapulgite-BiOBr-TiO ₂ nanocomposites. <i>Applied Clay Science</i> , 2014, 90, 135-140.	5.2	29
53	A COST-EFFECTIVE MAGNETIC PHOTOCATALYST PLYGORSKITE-TiO ₂ -Fe _x O _y WITH EXCELLENT PERFORMANCE FOR DYE PHOTODEGRADATION UNDER VISIBLE LIGHT. <i>Nano</i> , 2014, 09, 1450063.	1.0	0
54	Fabrication of temperature-responsive ZrO ₂ tubular membranes, grafted with poly (N-isopropylacrylamide) brush chains, for protein removal and easy cleaning. <i>Journal of Membrane Science</i> , 2014, 450, 351-361.	8.2	47

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55	Grafting polyacrylic acid brushes onto zirconia membranes: Fouling reduction and easy-cleaning properties. Separation and Purification Technology, 2013, 114, 53-63.	7.9	29
56	Humic acid removal and easy-cleanability using temperature-responsive ZrO ₂ tubular membranes grafted with poly(N-isopropylacrylamide) brush chains. Water Research, 2013, 47, 2375-2386.	11.3	23
57	Study on Sorption Behaviors of H ₂ S by Triethanolamine-Modified Mesoporous Molecular Sieve SBA-15. Industrial & Engineering Chemistry Research, 2012, 51, 4407-4413.	3.7	10
58	Efficient removal of methylene blue over composite-phase BiVO ₄ fabricated by hydrothermal control synthesis. Materials Chemistry and Physics, 2012, 136, 897-902.	4.0	52
59	Preparation of dense Pd composite membranes on porous Ti-Al alloy supports by electroless plating. Journal of Membrane Science, 2012, 387-388, 24-29.	8.2	22
60	Effective NH ₂ -grafting on attapulgite surfaces for adsorption of reactive dyes. Journal of Hazardous Materials, 2011, 194, 7-14.	12.4	125
61	Competitive adsorption of Hg ²⁺ , Pb ²⁺ and Co ²⁺ ions on polyacrylamide/attapulgite. Desalination, 2011, 270, 269-274.	8.2	65
62	A Novel Anti-fouling Polymer-Ceramic Composite Membrane by Graft Polymerization of Acrylic Acid. , 2011, , .		1
63	Effect of Modification Conditions on Synthesis Polyamide/Attapulgite Composite Material. , 2011, , .		0
64	Clarification of raw rice wine by ceramic microfiltration membranes and membrane fouling analysis. Desalination, 2010, 256, 166-173.	8.2	33
65	Monolayer Adsorption Behavior of Hydrogen Isotopes on Microporous and Mesoporous Molecular Sieves. Journal of Chemical & Engineering Data, 2010, 55, 2512-2516.	1.9	10
66	Adsorption of reactive dyes from aqueous solution by silylated palygorskite. Applied Clay Science, 2010, 48, 638-640.	5.2	82
67	Effects of Sintering Atmosphere on the Microstructure and Surface Properties of Symmetric TiO ₂ Membranes. Chinese Journal of Chemical Engineering, 2009, 17, 739-745.	3.5	2
68	Preparation of pH-responsive ceramic composite membranes by grafting acrylic acid onto γ -alumina membranes. Science Bulletin, 2009, 54, 2147-2149.	9.0	5
69	Adsorption of Hg ²⁺ from aqueous solution onto polyacrylamide/attapulgite. Journal of Hazardous Materials, 2009, 171, 640-646.	12.4	113
70	Dynamic experiments and model of hydrogen and deuterium separation with micropore molecular sieve Y at 77K. Chemical Engineering Journal, 2009, 152, 428-433.	12.7	33
71	Preparation and characterization of polyacrylamide/palygorskite. Applied Clay Science, 2009, 46, 148-152.	5.2	51
72	Preparation of titania microfiltration membranes supported on porous Ti-Al alloys. Journal of Membrane Science, 2008, 325, 546-552.	8.2	31

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73	Resistance analysis for ceramic membrane microfiltration of raw soy sauce. Journal of Membrane Science, 2007, 299, 122-129.	8.2	59
74	Gas exfoliation mechanisms of graphitic carbon nitride into few-layered nanosheets. Journal of Porous Materials, 0, , 1.	2.6	4