

Honglai Liu

List of Publications by Year in descending order

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390
papers

9,070
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57631

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394
docs citations

394
times ranked

10544
citing authors

#	ARTICLE	IF	CITATIONS
1	A Superacid-Catalyzed Synthesis of Porous Membranes Based on Triazine Frameworks for CO ₂ Separation. <i>Journal of the American Chemical Society</i> , 2012, 134, 10478-10484.	6.6	408
2	Size-dependent activity and selectivity of carbon dioxide photocatalytic reduction over platinum nanoparticles. <i>Nature Communications</i> , 2018, 9, 1252.	5.8	396
3	3D Ordered Macroporous MoS ₂ @C Nanostructure for Flexible Li-Ion Batteries. <i>Advanced Materials</i> , 2017, 29, 1603020.	11.1	350
4	Mechanochemical-Assisted Synthesis of High-Entropy Metal Nitride via a Soft Urea Strategy. <i>Advanced Materials</i> , 2018, 30, e1707512.	11.1	325
5	Hyper-crosslinked β -cyclodextrin porous polymer: an adsorption-facilitated molecular catalyst support for transformation of water-soluble aromatic molecules. <i>Chemical Science</i> , 2016, 7, 905-909.	3.7	167
6	In Situ Coupling Strategy for the Preparation of FeCo Alloys and Co ₄ N Hybrid for Highly Efficient Oxygen Evolution. <i>Advanced Materials</i> , 2017, 29, 1704091.	11.1	165
7	Unsaturated Sulfur Edge Engineering of Strongly Coupled MoS ₂ Nanosheet@Carbon Macroporous Hybrid Catalyst for Enhanced Hydrogen Generation. <i>Advanced Energy Materials</i> , 2019, 9, 1802553.	10.2	159
8	Efficient CO ₂ Capture by a 3D Porous Polymer Derived from Tröger's Base. <i>ACS Macro Letters</i> , 2013, 2, 660-663.	2.3	138
9	Efficient removal of organic dye pollutants using covalent organic frameworks. <i>AIChE Journal</i> , 2017, 63, 3470-3478.	1.8	136
10	Transferrin gated mesoporous silica nanoparticles for redox-responsive and targeted drug delivery. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 152, 77-84.	2.5	111
11	Dynamically Formed Surfactant Assembly at the Electrified Electrode@Electrolyte Interface Boosting CO ₂ Electroreduction. <i>Journal of the American Chemical Society</i> , 2022, 144, 6613-6622.	6.6	106
12	A Highly Conductive COF@CNT Electrocatalyst Boosting Polysulfide Conversion for Li-S Chemistry. <i>ACS Energy Letters</i> , 2021, 6, 3053-3062.	8.8	97
13	Heterojunction-redox catalysts of Fe _x Co _y Mg ₁₀ CaO for high-temperature CO ₂ capture and <i>in situ</i> conversion in the context of green manufacturing. <i>Energy and Environmental Science</i> , 2021, 14, 2291-2301.	15.6	86
14	Optimization of pre-concentration, entrainer recycle and pressure selection for the extractive distillation of acetonitrile-water with ethylene glycol. <i>Chemical Engineering Science</i> , 2018, 177, 354-368.	1.9	83
15	Hunting ionic liquids with large electrochemical potential windows. <i>AIChE Journal</i> , 2019, 65, 804-810.	1.8	83
16	Exceptional chiral separation of amino acid modified graphene oxide membranes with high-flux. <i>Journal of Membrane Science</i> , 2017, 526, 25-31.	4.1	78
17	Blessing and Curse: How a Supercapacitor's Large Capacitance Causes its Slow Charging. <i>Physical Review Letters</i> , 2020, 124, 076001.	2.9	76
18	A Generic Model for Electric Double Layers in Porous Electrodes. <i>Journal of Physical Chemistry C</i> , 2016, 120, 8704-8710.	1.5	73

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19	Mesophase Separation of Diblock Copolymer Confined in a Cylindrical Tube Studied by Dissipative Particle Dynamics. <i>Macromolecular Theory and Simulations</i> , 2006, 15, 674-685.	0.6	72
20	Dynamic hydrophobic hindrance effect of zeolite@zeolitic imidazolate framework composites for CO ₂ capture in the presence of water. <i>Journal of Materials Chemistry A</i> , 2015, 3, 8091-8097.	5.2	72
21	Dissipative particle dynamics study of the water/benzene/caprolactam system in the absence or presence of non-ionic surfactants. <i>Chemical Engineering Science</i> , 2015, 122, 185-196.	1.9	72
22	Interfacial Growth of Metal Organic Framework/Graphite Oxide Composites through Pickering Emulsion and Their CO ₂ Capture Performance in the Presence of Humidity. <i>Langmuir</i> , 2015, 31, 7410-7417.	1.6	70
23	Dual-Emitting Dihydrophenazines for Highly Sensitive and Ratiometric Thermometry over a Wide Temperature Range. <i>Advanced Optical Materials</i> , 2018, 6, 1800190.	3.6	67
24	Adsorption desulfurization by hierarchical porous organic polymer of poly-methylbenzene with metal impregnation. <i>Fuel</i> , 2016, 170, 100-106.	3.4	66
25	Porosity Modulation in Two-Dimensional Covalent Organic Frameworks Leads to Enhanced Iodine Adsorption Performance. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 10495-10502.	1.8	66
26	Density Functional Theory for Adsorption of Gas Mixtures in Metal-Organic Frameworks. <i>Journal of Physical Chemistry B</i> , 2010, 114, 2820-2827.	1.2	65
27	A dual-functional HER2 aptamer-conjugated, pH-activated mesoporous silica nanocarrier-based drug delivery system provides in vitro synergistic cytotoxicity in HER2-positive breast cancer cells. <i>International Journal of Nanomedicine</i> , 2019, Volume 14, 4029-4044.	3.3	58
28	Multiscale modeling of electrolytes in porous electrode: From equilibrium structure to non-equilibrium transport. <i>Green Energy and Environment</i> , 2020, 5, 303-321.	4.7	57
29	Construction of Covalent Organic Frameworks with Crown Ether Struts. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 9959-9963.	7.2	57
30	Sifting Ionic Liquids as Additives for Separation of Acetonitrile and Water Azeotropic Mixture Using the COSMO-RS Method. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 9376-9385.	1.8	56
31	Rational design and synthesis of a porous, task-specific polycarbazole for efficient CO ₂ capture. <i>Chemical Communications</i> , 2016, 52, 4454-4457.	2.2	55
32	Controlling covalent functionalization of graphene oxide membranes to improve enantioseparation performances. <i>Journal of Membrane Science</i> , 2019, 582, 83-90.	4.1	55
33	Porosity-induced emission: exploring color-controllable fluorescence of porous organic polymers and their chemical sensing applications. <i>Journal of Materials Chemistry C</i> , 2015, 3, 6876-6881.	2.7	53
34	Constructing Catalytic Crown Ether-Based Covalent Organic Frameworks for Electroreduction of CO ₂ . <i>ACS Energy Letters</i> , 2021, 6, 3496-3502.	8.8	53
35	Predicting the capacitance of carbon-based electric double layer capacitors by machine learning. <i>Nanoscale Advances</i> , 2019, 1, 2162-2166.	2.2	52
36	Interlayer Structure Manipulation of Iron Oxychloride by Potassium Cation Intercalation to Steer H ₂ O ₂ Activation Pathway. <i>Journal of the American Chemical Society</i> , 2022, 144, 4294-4299.	6.6	52

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37	Improved Design and Optimization for Separating Azeotropes with Heavy Component as Distillate through Energy-Saving Extractive Distillation by Varying Pressure. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 9156-9166.	1.8	51
38	Development of a Density Functional Theory in Three-Dimensional Nanoconfined Space: H ₂ Storage in Metal-Organic Frameworks. <i>Journal of Physical Chemistry B</i> , 2009, 113, 12326-12331.	1.2	50
39	Promoting desulfurization capacity and separation efficiency simultaneously by the novel magnetic Fe ₃ O ₄ @PAA@MOF-199. <i>RSC Advances</i> , 2014, 4, 41902-41909.	1.7	50
40	Surface wettability effect on fluid transport in nanoscale slit pores. <i>AIChE Journal</i> , 2017, 63, 1704-1714.	1.8	50
41	Prediction of the Phase Behavior of Ionic Liquid Solutions. <i>Industrial & Engineering Chemistry Research</i> , 2010, 49, 12596-12604.	1.8	49
42	Selective Adsorption and Separation of Xylene Isomers and Benzene/Cyclohexane with Microporous Organic Polymers POP-1. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 32717-32725.	4.0	47
43	Role of filled PLGA in improving enantioselectivity of Glu-GO/PLGA composite membranes. <i>Journal of Membrane Science</i> , 2018, 555, 398-406.	4.1	46
44	Efficient CO ₂ capture by triptycene-based microporous organic polymer with functionalized modification. <i>Microporous and Mesoporous Materials</i> , 2015, 214, 181-187.	2.2	45
45	Impurity Effects on Charging Mechanism and Energy Storage of Nanoporous Supercapacitors. <i>Journal of Physical Chemistry C</i> , 2017, 121, 14066-14072.	1.5	45
46	Amine functionalized 3D porous organic polymer as an effective adsorbent for removing organic dyes and solvents. <i>RSC Advances</i> , 2017, 7, 30500-30505.	1.7	45
47	Nanospace-confined synthesis of coconut-like SnS/C nanospheres for high-rate and stable lithium-ion batteries. <i>AIChE Journal</i> , 2018, 64, 1965-1974.	1.8	45
48	Confinement effect on water transport in CNT membranes. <i>Chemical Engineering Science</i> , 2018, 192, 1252-1259.	1.9	45
49	Covalent Organic Framework with Triazine and Hydroxyl Bifunctional Groups for Efficient Removal of Lead(II) Ions. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 19642-19648.	1.8	44
50	Construction of Large-Pore Crystalline Covalent Organic Framework as High-Performance Adsorbent for Rhodamine B Dye Removal. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 8315-8322.	1.8	43
51	Cationic Gemini Surfactants with a Bipyridyl Spacer as Corrosion Inhibitors for Carbon Steel. <i>ACS Omega</i> , 2018, 3, 18990-18999.	1.6	42
52	Time-dependent density functional theory for the charging kinetics of electric double layer containing room-temperature ionic liquids. <i>Journal of Chemical Physics</i> , 2016, 145, 204707.	1.2	41
53	Pyrolysis of conjugated nanoporous polycarbazoles to mesoporous N-doped carbon nanotubes as efficient electrocatalysts for the oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , 2017, 5, 4507-4512.	5.2	41
54	Effect of the spacer group of cationic gemini surfactant on microemulsion phase behavior. <i>Journal of Colloid and Interface Science</i> , 2006, 301, 644-650.	5.0	40

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55	Facile preparation of porous organic copolymer based on triptycene and crown ether for efficient organic dye adsorption. <i>RSC Advances</i> , 2018, 8, 4963-4968.	1.7	40
56	Carbohydrate based hyper-crosslinked organic polymers with "OH functional groups for CO ₂ separation. <i>Journal of Materials Chemistry A</i> , 2015, 3, 20913-20918.	5.2	39
57	Substitution Effect Guided Synthesis of Task-Specific Nanoporous Polycarbazoles with Enhanced Carbon Capture. <i>Macromolecules</i> , 2016, 49, 5325-5330.	2.2	38
58	Copolymer micelles function as pH-responsive nanocarriers to enhance the cytotoxicity of a HER2 aptamer in HER2-positive breast cancer cells. <i>International Journal of Nanomedicine</i> , 2018, Volume 13, 537-553.	3.3	38
59	Machine learning models for solvent effects on electric double layer capacitance. <i>Chemical Engineering Science</i> , 2019, 202, 186-193.	1.9	38
60	Porous organic polymer as fillers for fabrication of defect-free PIM-1 based mixed matrix membranes with facilitating CO ₂ -transfer chain. <i>Journal of Membrane Science</i> , 2018, 564, 115-122.	4.1	37
61	Hooped Amino-Group Chains in Porous Organic Polymers for Enhancing Heavy Metal Ion Removal. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 44751-44757.	4.0	37
62	Molecular thermodynamic theory for polymer systems. I. A close-packed lattice model. <i>Fluid Phase Equilibria</i> , 1996, 117, 100-106.	1.4	36
63	Photocontrollable Intermittent Release of Doxorubicin Hydrochloride from Liposomes Embedded by Azobenzene-Contained Glycolipid. <i>Langmuir</i> , 2017, 33, 1004-1012.	1.6	36
64	Fast adsorption of methylene blue, basic fuchsin, and malachite green by a novel sulfonic-grafted triptycene-based porous organic polymer. <i>RSC Advances</i> , 2018, 8, 41986-41993.	1.7	36
65	Effect of the spacer group on the behavior of the cationic Gemini surfactant monolayer at the air/water interface. <i>Thin Solid Films</i> , 2008, 516, 8782-8787.	0.8	35
66	Effects of solvent on weak halogen bonds: Density functional theory calculations. <i>International Journal of Quantum Chemistry</i> , 2012, 112, 1421-1430.	1.0	33
67	In-situ Incorporation Strategy for Bimetallic FeCo-Doped Carbon as Highly Efficient Bifunctional Oxygen Electrocatalysts. <i>ChemElectroChem</i> , 2018, 5, 1401-1406.	1.7	33
68	Non-Negligible Roles of Pore Size Distribution on Electroosmotic Flow in Nanoporous Materials. <i>ACS Nano</i> , 2019, 13, 8185-8192.	7.3	33
69	Extractive Distillation with Ionic Liquid Entrainers for the Separation of Acetonitrile and Water. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 5602-5612.	1.8	33
70	High-throughput and comprehensive prediction of H ₂ adsorption in metal-organic frameworks under various conditions. <i>AIChE Journal</i> , 2015, 61, 2951-2957.	1.8	32
71	Screening of desulfurization adsorbent in metal-organic frameworks: A classical density functional approach. <i>Chemical Engineering Science</i> , 2015, 137, 170-177.	1.9	32
72	Post-synthesis modification of porous organic polymers with amine: a task-specific microenvironment for CO ₂ capture. <i>International Journal of Coal Science and Technology</i> , 2017, 4, 50-59.	2.7	32

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73	Encapsulation of single-walled carbon nanotubes with asymmetric pyrenyl-gemini surfactants. <i>Chemical Engineering Science</i> , 2018, 187, 406-414.	1.9	32
74	Unified Framework of Multiscale Density Functional Theories and Its Recent Applications. <i>Advances in Chemical Engineering</i> , 2015, 47, 1-83.	0.5	32
75	Dual Thermoresponsive Aggregation of Schizophrenic PDMAEMA- <i>b</i> -PSBMA Copolymer with an Unrepeatable pH Response and a Recycled CO ₂ /N ₂ Response. <i>Langmuir</i> , 2017, 33, 2646-2654.	1.6	31
76	Digital navigation of energy-structure-function maps for hydrogen-bonded porous molecular crystals. <i>Nature Communications</i> , 2021, 12, 817.	5.8	31
77	Multi-responsive hydrogels with UCST- and LCST-induced shrinking and controlled release behaviors of rhodamine B. <i>Materials Science and Engineering C</i> , 2018, 82, 284-290.	3.8	30
78	First-Principles Study of Black Phosphorus as Anode Material for Rechargeable Potassium-Ion Batteries. <i>Electronic Materials Letters</i> , 2020, 16, 89-98.	1.0	30
79	Effect of confinement in nano-porous materials on the solubility of a supercritical gas. <i>Molecular Physics</i> , 2016, 114, 3294-3306.	0.8	29
80	Predicting the mechanical properties of brittle porous materials with various porosity and pore sizes. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2017, 71, 10-22.	1.5	29
81	Pyrolyzed Triazine-Based Nanoporous Frameworks Enable Electrochemical CO ₂ Reduction in Water. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 43588-43594.	4.0	29
82	Enhancing CO ₂ Electroreduction with Au/Pyridine/Carbon Nanotubes Hybrid Structures. <i>ChemSusChem</i> , 2019, 12, 1724-1731.	3.6	29
83	Chiral separation of β -cyclodextrin modified graphene oxide membranes with a complete enantioseparation performance. <i>Journal of Membrane Science</i> , 2021, 634, 119350.	4.1	29
84	Heterogeneous MoSe ₂ /Nitrogen-Doped Carbon Nanoarrays: Engineering Atomic Interface for Potassium-Ion Storage. <i>Advanced Functional Materials</i> , 2022, 32, 2110223.	7.8	29
85	Impact of Peroxymonocarbonate on the Transformation of Organic Contaminants during Hydrogen Peroxide <i>in Situ</i> Chemical Oxidation. <i>Environmental Science and Technology Letters</i> , 2019, 6, 781-786.	3.9	28
86	A new molecular thermodynamic model for multicomponent Ising lattice. <i>Journal of Chemical Physics</i> , 2006, 125, 164506.	1.2	27
87	Modeling Swelling Behavior of Thermoresponsive Polymer Brush with Lattice Density Functional Theory. <i>Langmuir</i> , 2014, 30, 4040-4048.	1.6	27
88	Ionic Liquid Mixture Expands the Potential Window and Capacitance of a Supercapacitor in Tandem. <i>Journal of Physical Chemistry C</i> , 2018, 122, 18304-18310.	1.5	27
89	Investigation of Drug for Pulmonary Administration-Model Pulmonary Surfactant Monolayer Interactions Using Langmuir-Blodgett Monolayer and Molecular Dynamics Simulation: A Case Study of Ketoprofen. <i>Langmuir</i> , 2019, 35, 13452-13460.	1.6	27
90	Chain length matters: Structural transition and capacitance of room temperature ionic liquids in nanoporous electrodes. <i>Chemical Engineering Science</i> , 2020, 227, 115927.	1.9	27

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91	Influence of Host-Guest Interaction between Chiral Selectors and Probes on the Enantioseparation Properties of Graphene Oxide Membranes. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 10893-10901.	4.0	27
92	Amino Acid Based Ionic Liquids as Additives for the Separation of an Acetonitrile and Water Azeotropic Mixture: COSMO-RS Prediction and Experimental Verification. <i>Industrial & Engineering Chemistry Research</i> , 2015, 54, 12143-12149.	1.8	26
93	In situ interfacial growth of zeolitic imidazolate framework (ZIF-8) nanoparticles induced by a graphene oxide Pickering emulsion. <i>RSC Advances</i> , 2015, 5, 31502-31505.	1.7	26
94	Dynamics of Pickering Emulsions in the Presence of an Interfacial Reaction: A Simulation Study. <i>Langmuir</i> , 2016, 32, 12975-12985.	1.6	26
95	The effect of chitin nanoparticles on surface behavior of DPPC/DPPG Langmuir monolayers. <i>Journal of Colloid and Interface Science</i> , 2018, 519, 186-193.	5.0	26
96	Multivalence-Ion Intercalation Enables Ultrahigh 1T Phase MoS ₂ Nanoflowers to Enhanced Sodium-Storage Performance. <i>CCS Chemistry</i> , 2021, 3, 1472-1482.	4.6	26
97	Morphology Transition of Block Copolymers under Curved Confinement. <i>Macromolecular Theory and Simulations</i> , 2007, 16, 732-741.	0.6	25
98	Efficient adsorptive desulfurization by task-specific porous organic polymers. <i>AIChE Journal</i> , 2016, 62, 1740-1746.	1.8	25
99	Monte Carlo Simulations of the Morphologies and Conformations of Triblock Copolymer Thin Films. <i>Macromolecular Theory and Simulations</i> , 2006, 15, 117-127.	0.6	24
100	Non-equilibrium thermodynamics analysis and its application in interfacial mass transfer. <i>Science China Chemistry</i> , 2011, 54, 1659-1666.	4.2	24
101	Deswelling Dynamics of Thermoresponsive Microgel Capsules and Their Ultrasensitive Sensing Applications: A Mesoscopic Simulation Study. <i>Journal of Physical Chemistry C</i> , 2019, 123, 1828-1838.	1.5	24
102	The role of surface wettability on water transport through membranes. <i>Chemical Engineering Science</i> , 2020, 219, 115602.	1.9	24
103	Can ionophobic nanopores enhance the energy storage capacity of electric-double-layer capacitors containing nonaqueous electrolytes?. <i>Journal of Physics Condensed Matter</i> , 2016, 28, 414005.	0.7	23
104	Nitrogen-Doped Porous Carbon Nanosheets Derived from Coal Tar Pitch as an Efficient Oxygen-Reduction Catalyst. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 8880-8887.	1.8	23
105	Probing the Nature of Surface Barriers on ZSM-5 by Surface Modification. <i>Chemie-Ingenieur-Technik</i> , 2017, 89, 1333-1342.	0.4	23
106	Nitrogen-Doped Coal Tar Pitch Based Microporous Carbons with Superior CO ₂ Capture Performance. <i>Energy & Fuels</i> , 2018, 32, 3726-3732.	2.5	23
107	A diketopyrrolopyrrole-based fluorescent porous organic polymer as fluoride sensing monolithic device. <i>Journal of Materials Chemistry C</i> , 2018, 6, 3961-3967.	2.7	23
108	Effects of Rigid Conjugated Groups: Toward Improving Enantioseparation Performances of Chiral Porous Organic Polymers. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 37156-37162.	4.0	23

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109	Hyper-crosslinked cyclodextrin porous polymer: an efficient CO ₂ capturing material with tunable porosity. <i>RSC Advances</i> , 2016, 6, 110307-110311.	1.7	22
110	Glycerol/Dodecanol Double Pickering Emulsions Stabilized by Polystyrene- <i>g</i> -Grafted Silica Nanoparticles for Interfacial Catalysis. <i>ChemCatChem</i> , 2015, 7, 3229-3233.	1.8	21
111	Capacitive Energy Extraction by Few-Layer Graphene Electrodes. <i>Journal of Physical Chemistry C</i> , 2017, 121, 14010-14018.	1.5	21
112	Development of Reaction Density Functional Theory and Its Application to Glycine Tautomerization Reaction in Aqueous Solution. <i>Journal of Physical Chemistry C</i> , 2018, 122, 20745-20754.	1.5	21
113	N-Doped 3D hierarchical carbon from resorcinol- <i>g</i> -formaldehyde-melamine resin for high-performance supercapacitors. <i>New Journal of Chemistry</i> , 2020, 44, 8638-8649.	1.4	21
114	Understanding surface charge regulation in silica nanopores. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 15373-15380.	1.3	21
115	Guanidine-Functionalized Amphiphilic Silica Nanoparticles as a Pickering Interfacial Catalyst for Biodiesel Production. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 4273-4280.	1.8	21
116	Real-time monitoring of the effect of carbon nanoparticles on the surface behavior of DPPC/DPPG Langmuir monolayer. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 190, 110922.	2.5	21
117	Efficient adsorption of methyl orange and methyl blue dyes by a novel triptycene-based hyper-crosslinked porous polymer. <i>RSC Advances</i> , 2022, 12, 5587-5594.	1.7	21
118	Synthesis of Monodisperse Gold Nanoparticles Stabilized by Gemini Surfactant in Reverse Micelles. <i>Journal of Dispersion Science and Technology</i> , 2005, 26, 473-476.	1.3	20
119	Monte Carlo Simulation of ABA Triblock Copolymer Melts Confined in a Cylindrical Nanotube. <i>Macromolecular Theory and Simulations</i> , 2007, 16, 166-177.	0.6	20
120	Molecular Thermodynamic Model of Multicomponent Chainlike Fluid Mixtures Based on a Lattice Model. <i>Industrial & Engineering Chemistry Research</i> , 2008, 47, 9678-9686.	1.8	20
121	Halogen bonding interactions in ion pairs versus conventional charge-assisted and neutral halogen bonds: a theoretical study based on imidazolium species. <i>RSC Advances</i> , 2015, 5, 74284-74294.	1.7	20
122	Solvation of the Ca ₂ UO ₂ (CO ₃) ₃ Complex in Seawater from Classical Molecular Dynamics. <i>Journal of Physical Chemistry B</i> , 2016, 120, 7227-7233.	1.2	20
123	Fast screening of porous materials for noble gas adsorption and separation: a classical density functional approach. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 28193-28204.	1.3	20
124	pH-Dependent Structure-Activity Relationship of Polyaniline-Intercalated FeOCl for Heterogeneous Fenton Reactions. <i>ACS Omega</i> , 2019, 4, 21945-21953.	1.6	20
125	A molecular model for ion dehydration in confined water. <i>AIChE Journal</i> , 2020, 66, e16938.	1.8	20
126	Transforming surface-modified metal organic framework powder into room temperature porous liquids via an electrical balance strategy. <i>New Journal of Chemistry</i> , 2020, 44, 12715-12722.	1.4	20

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127	Salt Effects on Aqueous Cationic/Anionic Surfactant Two-Phase Regions. <i>Journal of Dispersion Science and Technology</i> , 2006, 27, 271-276.	1.3	19
128	The Interactions between Imidazolium-Based Ionic Liquids and Stable Nitroxide Radical Species: A Theoretical Study. <i>Journal of Physical Chemistry A</i> , 2016, 120, 6089-6102.	1.1	19
129	A gemini surfactant-containing system with abundant self-assembly morphology and rheological behaviors tunable by photoinduction. <i>RSC Advances</i> , 2018, 8, 16004-16012.	1.7	19
130	Rational design of functionalized covalent organic frameworks and their performance towards CO ₂ capture. <i>RSC Advances</i> , 2019, 9, 21438-21443.	1.7	19
131	Carbon impurity-free, novel Mn,N co-doped porous Mo ₂ C nanorods for an efficient and stable hydrogen evolution reaction. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 2464-2471.	3.0	19
132	Photoresponsive Behavior of Wormlike Micelles Constructed by Gemini Surfactant 12-3-12Br and Different Cinnamate Derivatives. <i>Langmuir</i> , 2019, 35, 4634-4645.	1.6	19
133	Double security drug delivery system DDS constructed by multi-responsive (pH/redox/US) microgel. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 193, 111022.	2.5	19
134	Morphologies of Diblock Copolymer/Homopolymer Blend Films. <i>Macromolecular Theory and Simulations</i> , 2006, 15, 321-330.	0.6	18
135	Prediction of vapor-liquid equilibrium for polymer solutions based on the COSMO-SAC model. <i>AIChE Journal</i> , 2010, 56, 2687-2698.	1.8	18
136	Guest-Induced Breathing Effect in a Flexible Molecular Crystal. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 3378-3381.	7.2	18
137	Redox/ultrasound dual stimuli-responsive nanogel for precisely controllable drug release. <i>New Journal of Chemistry</i> , 2018, 42, 9472-9481.	1.4	18
138	Catalyst, Emulsion Stabilizer, and Adsorbent: Three Roles In One for Synergistically Enhancing Interfacial Catalytic Oxidative Desulfurization. <i>Langmuir</i> , 2019, 35, 3963-3971.	1.6	18
139	Pnictogen, chalcogen, and halogen bonds in catalytic systems: theoretical study and detailed comparison. <i>Journal of Molecular Modeling</i> , 2020, 26, 16.	0.8	18
140	A mussel-inspired catecholic ABA triblock copolymer exhibits better antifouling properties compared to a diblock copolymer. <i>Polymer Chemistry</i> , 2020, 11, 4622-4629.	1.9	18
141	Influence of Hydroxyl Groups on the Inhibitive Corrosion of Gemini Surfactant for Carbon Steel. <i>ACS Omega</i> , 2020, 5, 2620-2629.	1.6	18
142	Dual-pH-sensitivity and tumour targeting core-shell particles for intracellular drug delivery. <i>RSC Advances</i> , 2017, 7, 851-860.	1.7	17
143	Halogen-Bond-Based Molecular Self-Assembly on Graphene Surface: A First-Principles Study. <i>Journal of Physical Chemistry C</i> , 2017, 121, 4451-4461.	1.5	17
144	Confinement Effect on Molecular Conformation of Alkanes in Water-Filled Cavitands: A Combined Quantum/Classical Density Functional Theory Study. <i>Langmuir</i> , 2018, 34, 13491-13496.	1.6	17

#	ARTICLE	IF	CITATIONS
145	2D square and hexagon interactions: a combined crystallographic data analysis and computational study. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 21568-21576.	1.3	17
146	Dual-Sensitive On-Off Switch in Liposome Bilayer for Controllable Drug Release. <i>Langmuir</i> , 2019, 35, 5213-5220.	1.6	17
147	Microscopic insights into the Faradaic reaction effects on the electric double layers. <i>Chemical Engineering Science</i> , 2020, 215, 115452.	1.9	17
148	Size effect of graphene oxide sheets on enantioseparation performances in membrane separation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 618, 126464.	2.3	17
149	In Situ Electromagnetic Induction Heating for CO ₂ Temperature Swing Adsorption on Magnetic Fe ₃ O ₄ /N-Doped Porous Carbon. <i>Energy & Fuels</i> , 2020, 34, 14439-14446.	2.5	17
150	Enhancing electrocatalytic N ₂ reduction via tailoring the electric double layers. <i>AIChE Journal</i> , 2022, 68, .	1.8	17
151	Coarse-Grained Simulation of Polycation/DNA-Like Complexes: Role of Neutral Block. <i>Molecular Pharmaceutics</i> , 2015, 12, 2834-2844.	2.3	16
152	Insertion of pH-sensitive bola-type copolymer into liposome as a stability anchor for control of drug release. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 136, 809-816.	2.5	16
153	Interfacial synthesis of magnetic PMMA@Fe ₃ O ₄ /Cu ₃ (BTC) ₂ hollow microspheres through one-pot Pickering emulsion and their application as drug delivery. <i>RSC Advances</i> , 2016, 6, 58511-58515.	1.7	16
154	Microscopic insights into the efficiency of capacitive mixing process. <i>AIChE Journal</i> , 2017, 63, 1785-1791.	1.8	16
155	Microscopic Model for Cyclic Voltammetry of Porous Electrodes. <i>Physical Review Letters</i> , 2022, 128, .	2.9	16
156	Accurate evaluation of the angular-dependent direct correlation function of water. <i>Journal of Chemical Physics</i> , 2013, 139, 034503.	1.2	15
157	Competing hydrogen bonding and halogen bonding interactions in crystal engineering: A case study of bi-functional donor molecules. <i>Chemical Physics</i> , 2014, 441, 30-37.	0.9	15
158	Substrate Effect on the Phase Behavior of Polymer Brushes with Lattice Density Functional Theory. <i>Macromolecular Theory and Simulations</i> , 2014, 23, 575-582.	0.6	15
159	Characterization and release kinetics of liposomes inserted by pH-responsive bola-polymer. <i>Colloid and Polymer Science</i> , 2016, 294, 1107-1116.	1.0	15
160	Non-scaling behavior of electroosmotic flow in voltage-gated nanopores. <i>Physical Chemistry Chemical Physics</i> , 2016, 19, 450-457.	1.3	15
161	Nanomixing Effects in Glycerol/Dodecanol Pickering Emulsions for Interfacial Catalysis. <i>Langmuir</i> , 2018, 34, 15587-15592.	1.6	15
162	UV-Responsive Behavior of Multistate and Multiscale Self-Assemblies Constructed by Gemini Surfactant 12-3-12Br ⁺ and <i>trans</i> - <i>o</i> -Methoxy-cinnamate. <i>Langmuir</i> , 2018, 34, 12990-12999.	1.6	15

#	ARTICLE	IF	CITATIONS
163	Spontaneously Forming Oxide Layer of High Entropy Alloy Nanoparticles Deposited on Porous Carbons for Supercapacitors. <i>ChemElectroChem</i> , 2021, 8, 260-269.	1.7	15
164	Understanding and Predicting Lithium Crystal Growth on Perfect and Defective Interfaces: A Kohn-Sham Density Functional Study. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 37239-37246.	4.0	14
165	Toward High-Efficient Chiral Separation Using Hierarchically Porous HROP@Silica-Gel-Sheet Composite. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 48402-48411.	4.0	14
166	A reaction density functional theory study of the solvent effect in prototype $S_{\text{N}}2$ reactions in aqueous solution. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 24876-24883.	1.3	14
167	Development of reaction-diffusion DFT and its application to catalytic oxidation of NO in porous materials. <i>AIChE Journal</i> , 2020, 66, e16824.	1.8	14
168	Understanding lithium transport in SEI films: a nonequilibrium molecular dynamics simulation. <i>Molecular Simulation</i> , 2020, 46, 573-580.	0.9	14
169	Phase and morphology engineering of porous cobalt-copper sulfide as a bifunctional oxygen electrode for rechargeable Zn-air batteries. <i>Journal of Materials Chemistry A</i> , 2021, 9, 18329-18337.	5.2	14
170	Zeolitic imidazolate framework-8/graphene oxide/magnetic chitosan nanocomposites for efficient removal of Congo red from aqueous solution. <i>New Journal of Chemistry</i> , 2021, 45, 19416-19424.	1.4	14
171	Dimeric imidazolium ionic liquids connected by bipyridyl as a corrosion inhibitor for N80 carbon steel in HCl. <i>Journal of Molecular Liquids</i> , 2021, 344, 117962.	2.3	14
172	Conformation-dominated surface antifouling and aqueous lubrication. <i>Colloids and Surfaces B: Biointerfaces</i> , 2022, 214, 112452.	2.5	14
173	Influence of the Solvent Properties on MCM-41 Surface Modification of Aminosilanes. <i>Journal of Solution Chemistry</i> , 2011, 40, 740-749.	0.6	13
174	Density functional theory study on the interaction between metalloporphyrins and NH_3 . <i>International Journal of Quantum Chemistry</i> , 2013, 113, 1137-1146.	1.0	13
175	Weak energetic effects between $X\cdots F$ and $X\cdots N$ halogen bonds: CSD search and theoretical study. <i>Chemical Physics Letters</i> , 2013, 582, 49-55.	1.2	13
176	A designed lipopeptide with a leucine zipper as an imbedded on/off switch for lipid bilayers. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 10129-10137.	1.3	13
177	pH-Triggered copolymer micelles as drug nanocarriers for intracellular delivery. <i>RSC Advances</i> , 2016, 6, 29149-29158.	1.7	13
178	A thermo-sensitive OEGMA-based polymer: synthesis, characterization and interactions with surfactants in aqueous solutions with and without salt. <i>Colloid and Polymer Science</i> , 2017, 295, 327-340.	1.0	13
179	Efficient Molecular Approach to Quantifying Solvent-Mediated Interactions. <i>Langmuir</i> , 2017, 33, 11817-11824.	1.6	13
180	Electrochemical Behavior of Nanoporous Supercapacitors with Oligomeric Ionic Liquids. <i>Journal of Physical Chemistry C</i> , 2018, 122, 14402-14407.	1.5	13

#	ARTICLE	IF	CITATIONS
181	Theoretical Exploration of Halogen Bonding Interactions in the Complexes of Novel Nitroxide Radical Probes and Comparison with Hydrogen Bonds. <i>Journal of Physical Chemistry A</i> , 2018, 122, 5058-5068.	1.1	13
182	Enantioseparation processes and mechanisms in functionalized graphene membranes: Facilitated or retarded transport?. <i>Chirality</i> , 2020, 32, 842-853.	1.3	13
183	Multiscale molecular dynamics simulation study of polyoxyethylated alcohols self-assembly in emulsion systems. <i>Chemical Engineering Science</i> , 2021, 231, 116252.	1.9	13
184	Mechanochemical Cellular Membrane Internalization of Nanohydrogels: A Large-Scale Mesoscopic Simulation. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 123-134.	4.0	13
185	Dihydroxyacetone valorization with high atom efficiency via controlling radical oxidation pathways over natural mineral-inspired catalyst. <i>Nature Communications</i> , 2021, 12, 6840.	5.8	13
186	Multiscale modeling of ion transport in porous electrodes. <i>AIChE Journal</i> , 2022, 68, e17571.	1.8	13
187	Entropy prediction for H ₂ adsorption in metal-organic frameworks. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 23998-24005.	1.3	12
188	Ultrafast synthesis of 13X@NaA composites through plasma treatment for highly selective carbon capture. <i>Journal of Materials Chemistry A</i> , 2017, 5, 18801-18807.	5.2	12
189	An investigation into the effect of gas adsorption on safety valve set pressure variations. <i>Chemical Engineering Science</i> , 2018, 188, 170-178.	1.9	12
190	Adsorption and diffusion of CO ₂ and CH ₄ in covalent organic frameworks: an MC/MD simulation study. <i>Molecular Simulation</i> , 2018, 44, 1244-1251.	0.9	12
191	Disruption of Tumor Cells Using a pH-Activated and Thermosensitive Antitumor Lipopeptide Containing a Leucine Zipper Structure. <i>Langmuir</i> , 2018, 34, 8818-8827.	1.6	12
192	Superstable and Large-Scalable Organosilica-Micellar Hybrid Nanosystem <i>via</i> a Confined Gelation Strategy for Ultrahigh-Dosage Chemotherapy. <i>Nano Letters</i> , 2021, 21, 9388-9397.	4.5	12
193	Dual Rate-Modulation Approach for the Preparation of Crystalline Covalent Triazine Frameworks Displaying Efficient Sodium Storage. <i>ACS Macro Letters</i> , 2022, 11, 60-65.	2.3	12
194	Optimizations of Graphitic Carbon/Silicon Hybrids for Scalable Preparation with High-Performance Lithium-Ion Storage. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 5590-5598.	3.2	12
195	Vapor-Liquid Equilibria of Several Copolymer + Solvent Systems. <i>Journal of Chemical & Engineering Data</i> , 2002, 47, 788-791.	1.0	11
196	Diffusion and sorption of benzene vapor through polybutadiene-, polybutadiene/styrene-, and polybutadiene/acrylonitrile-based polyurethanes. <i>Journal of Applied Polymer Science</i> , 2004, 91, 2984-2991.	1.3	11
197	Crystallization behavior of dry-brush PEO-PS block copolymer and PEO homopolymer blend. <i>Journal of Applied Polymer Science</i> , 2007, 106, 2718-2723.	1.3	11
198	Dilational properties of gemini surfactant/polymer systems at the air-water surface. <i>Colloid and Polymer Science</i> , 2013, 291, 845-854.	1.0	11

#	ARTICLE	IF	CITATIONS
199	Interplay between Halogen and Hydrogen Bonds in 2D Self-Assembly on the Gold Surface: A First-Principles Investigation. <i>Journal of Physical Chemistry C</i> , 2017, 121, 24707-24720.	1.5	11
200	First-principles computational investigation of nitrogen-doped carbon nanotubes as anode materials for lithium-ion and potassium-ion batteries. <i>RSC Advances</i> , 2019, 9, 17299-17307.	1.7	11
201	Development and Application of an Efficient Medium for Chromogenic Catalysis of Tetramethylbenzidine with Horseradish Peroxidase. <i>ACS Omega</i> , 2019, 4, 5459-5470.	1.6	11
202	Experimental determination of vapor liquid equilibrium for methanol+ α -methyl propionate+ α -1-butyl-3-methylimidazo-lium bis(trifluoromethylsulfonyl)imide at atmospheric pressure. <i>Journal of Chemical Thermodynamics</i> , 2019, 132, 289-294.	1.0	11
203	Supercapacitive performances of few-layer MoS ₂ on reduced graphene oxides. <i>Journal of Solid State Electrochemistry</i> , 2019, 23, 911-923.	1.2	11
204	Hypercrosslinked mesoporous polymers: Synthesis, characterization and its application for catalytic reduction of 4-nitrophenol. <i>Colloids and Interface Science Communications</i> , 2020, 37, 100285.	2.0	11
205	Exfoliating spent cathode materials with robust interlayer interactions into atomic-thin nanosheets for boosting the oxygen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2022, 10, 3359-3372.	5.2	11
206	Hydroxyl-functionalized hypercrosslinked polymers with ultrafast adsorption rate as an efficient adsorbent for phenol removal. <i>Microporous and Mesoporous Materials</i> , 2022, 336, 111836.	2.2	11
207	The Influence of Sodium Phosphate on Extraction Phenomena of Aqueous Two-Phase Cationic/Anionic Surfactant Systems. <i>Journal of Dispersion Science and Technology</i> , 2006, 27, 419-425.	1.3	10
208	Flow-Induced Morphologies of Diblock Copolymers in a Nanotube Studied by Dissipative Particle Dynamics Simulation. <i>Macromolecular Theory and Simulations</i> , 2008, 17, 163-170.	0.6	10
209	Crystallization behavior of "wet brush" and "dry brush" blends of PS- <i>b</i> -PEO- <i>b</i> -PS/h-PEO. <i>Journal of Applied Polymer Science</i> , 2009, 113, 907-915.	1.5	10
210	A new lattice density functional theory for polymer adsorption at solid-liquid interface. <i>Journal of Chemical Physics</i> , 2009, 131, 044710.	1.2	10
211	Density functional theory for the selective adsorption of small molecules on a surface modified with polymer brushes. <i>Molecular Simulation</i> , 2012, 38, 274-283.	0.9	10
212	CO ₂ capture through halogen bonding: A theoretical perspective. <i>Science China Chemistry</i> , 2012, 55, 1566-1572.	4.2	10
213	Amino acid modified molecular sieves with different pore size for chiral separation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 581, 123789.	2.3	10
214	Combining enzymatic hydrolysis with magnetic nanoparticles for resolution of chiral substances. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 564, 101-107.	2.3	10
215	Flow effects on silicate dissolution and ion transport at an aqueous interface. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 6970-6975.	1.3	10
216	Gas-liquid mass transfer and bubble size distribution in a multi-cyclone separator. <i>AIChE Journal</i> , 2019, 65, 221-229.	1.8	10

#	ARTICLE	IF	CITATIONS
217	Recent Advances of Mesoscale-Structured Cathode Materials for High Energy Density Lithium-Ion Batteries. <i>ACS Applied Energy Materials</i> , 2021, 4, 2962-2975.	2.5	10
218	Regulating Steric Hindrance in Redox-Active Porous Organic Frameworks Achieves Enhanced Sodium Storage Performance. <i>Small</i> , 2022, 18, e2105927.	5.2	10
219	A New Approach to Thick Films of a Block Copolymer with Ordered Surface Structures. <i>Macromolecular Rapid Communications</i> , 2005, 26, 1810-1813.	2.0	9
220	Fabrication and Characterization of Flower-Like ZnO by Gemini Surfactant-Assisted Hydrothermal Process. <i>Journal of Dispersion Science and Technology</i> , 2005, 26, 525-530.	1.3	9
221	Synthesis of ZnS Nanospheres in Microemulsion Containing Cationic Gemini Surfactant. <i>Journal of Dispersion Science and Technology</i> , 2006, 27, 839-842.	1.3	9
222	Aqueous Two-Phase System (ATPS) Containing Gemini (12- β -1,2Br ⁺) and SDS I: Phase Diagram and Properties of ATPS. <i>Journal of Dispersion Science and Technology</i> , 2006, 27, 335-339.	1.3	9
223	Phase Behavior of <i>n</i> -Butanol/ <i>n</i> -Octane/Water/Cationic Gemini Surfactant System. <i>Journal of Dispersion Science and Technology</i> , 2006, 27, 317-323.	1.3	9
224	Morphology of poly(styrene-block-dimethylsiloxane) copolymer films. <i>Journal of Applied Polymer Science</i> , 2007, 104, 1010-1018.	1.3	9
225	Volumetric Connectivity Index: A New Approach for Estimation of Density of Ionic Liquids. <i>Industrial & Engineering Chemistry Research</i> , 2011, 50, 14155-14161.	1.8	9
226	Site-site direct correlation functions for three popular molecular models of liquid water. <i>Journal of Chemical Physics</i> , 2013, 139, 064509.	1.2	9
227	Mechanical properties of high-performance elastomeric nanocomposites: a sequential mesoscale simulation approach. <i>RSC Advances</i> , 2014, 4, 63586-63595.	1.7	9
228	Self-Assembled Superhelical Structure of Poly(<i>N</i> -vinylcarbazole)-Based Donor-Acceptor Polymer at the Air-Water Interface. <i>Macromolecules</i> , 2014, 47, 373-378.	2.2	9
229	pH-modulated double LCST behaviors with diverse aggregation processes of random-copolymer grafted silica nanoparticles in aqueous solution. <i>RSC Advances</i> , 2015, 5, 86584-86592.	1.7	9
230	Classical density functional theory for gas separation in nanoporous materials and its application to CH ₄ /H ₂ separation. <i>Chemical Engineering Science</i> , 2016, 149, 14-21.	1.9	9
231	Maximizing the Density of Active Groups in Porous Poly(ionic liquids) for Efficient Adsorptive Desulfurization. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 4319-4326.	1.8	9
232	pH-controlled crystal growth of copper/gemini surfactant complexes with bipyridine groups. <i>CrystEngComm</i> , 2017, 19, 5835-5843.	1.3	9
233	Development of 3D polymer DFT and its application to molecular transport through a surfactant-covered interface. <i>AIChE Journal</i> , 2018, 64, 238-249.	1.8	9
234	Guest-induced reversible crystal-to-amorphous-to-crystal transformation in a Co-based metal-organic framework. <i>CrystEngComm</i> , 2018, 20, 6828-6833.	1.3	9

#	ARTICLE	IF	CITATIONS
235	Connect the Thermodynamics of Bulk and Confined Fluids: Confinement-Adsorption Scaling. <i>Langmuir</i> , 2019, 35, 3840-3847.	1.6	9
236	Ionic Liquid-Polypyrrole-Gold Composites as Enhanced Enzyme Immobilization Platforms for Hydrogen Peroxide Sensing. <i>Sensors</i> , 2019, 19, 640.	2.1	9
237	Microscopic insights into the ion transport in graphene-based membranes with different interlayer spacing distributions. <i>Chemical Engineering Science</i> , 2020, 212, 115354.	1.9	9
238	Multiscale mechanisms of reaction-diffusion process in electrode systems: A classical density functional study. <i>Chemical Engineering Science</i> , 2020, 227, 115899.	1.9	9
239	Cellulose nanocrystalline and sodium benzenesulfonate-doped polypyrrole nano-hydrogel/Au composites for ultrasensitive detection of carcinoembryonic antigen. <i>New Journal of Chemistry</i> , 2021, 45, 5551-5560.	1.4	9
240	Retarded transport properties of graphene oxide based chiral separation membranes modified with dipeptide. <i>Separation and Purification Technology</i> , 2022, 288, 120642.	3.9	9
241	pH and Temperature Double-Switch Hybrid Micelles for Controllable Drug Release. <i>Langmuir</i> , 2021, 37, 14628-14637.	1.6	9
242	Four stages of thermal effect coupled with ion charge transports during the charging process of porous electrodes. <i>AIChE Journal</i> , 2022, 68, .	1.8	9
243	Synthesis and self-assembly of gold nanoparticles using gemini surfactant as a phase transfer reagent and a stabilizer. <i>Journal of Experimental Nanoscience</i> , 2006, 1, 103-111.	1.3	8
244	The Effect of Pressure on the Microphase Separation of Diblock Copolymer Melts Studied by Dynamic Density Functional Theory Based on Equation of State. <i>Macromolecular Theory and Simulations</i> , 2007, 16, 262-268.	0.6	8
245	Effect of Polymer-Substrate Interactions on the Surface Morphology of Polymer Blend Thin Films. <i>Journal of Macromolecular Science - Physics</i> , 2008, 47, 1050-1061.	0.4	8
246	Microphase Separation of a Diblock Copolymer Dispersed in Nanorod Arrays Grafted on a Plate: A Monte Carlo Study. <i>Macromolecular Theory and Simulations</i> , 2011, 20, 124-132.	0.6	8
247	Thermo-/pH-responsive behaviours of base-rich diblock polyampholytes in aqueous solution: experiment and simulation. <i>Molecular Physics</i> , 2014, 112, 2046-2057.	0.8	8
248	Hierarchical Assembly of a Dual-responsive Macroscopic Insulated Molecular Wire Bundle in a Gradient System. <i>Scientific Reports</i> , 2015, 5, 7791.	1.6	8
249	Monolayer effect of a gemini surfactant with a rigid biphenyl spacer on its self-crystallization at the air/liquid interface. <i>Journal of Applied Crystallography</i> , 2015, 48, 728-735.	1.9	8
250	Effect of ionic liquid C2mimBr on rheological behavior of Gemini surfactant 12-2-12 aqueous solution. <i>Colloid and Polymer Science</i> , 2015, 293, 2373-2383.	1.0	8
251	Computational insights into the destabilization of α -helical conformations formed by leucine zipper peptides in response to temperature. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 25465-25473.	1.3	8
252	Folate-conjugated pH-controllable fluorescent nanomicelles acting as tumor targetable drug carriers. <i>Mikrochimica Acta</i> , 2017, 184, 2881-2891.	2.5	8

#	ARTICLE	IF	CITATIONS
253	Molecular transport through mixed matrix membranes: A time-dependent density functional approach. <i>AIChE Journal</i> , 2017, 63, 4586-4594.	1.8	8
254	Fibers with Hypercrosslinked Functional Porous Frameworks. <i>Macromolecular Rapid Communications</i> , 2018, 39, 1700767.	2.0	8
255	pH/Redox-Controlled Interaction between Lipid Membranes and Peptide Derivatives with a "Helmet". <i>Journal of Physical Chemistry B</i> , 2019, 123, 6784-6791.	1.2	8
256	Structure and Interaction of Ionic Liquid Monolayer on Graphite from First-Principles. <i>Journal of Physical Chemistry C</i> , 2019, 123, 618-624.	1.5	8
257	Molecular Dynamics Simulations and Density Functional Theory on Unraveling Photoresponsive Behavior of Wormlike Micelles Constructed by 12-2-12Å-2Br ⁺ and <i>ortho</i> -Methoxy Cinnamate. <i>Langmuir</i> , 2020, 36, 9499-9509.	1.6	8
258	Interfacial interactions and structures of protic ionic liquids on a graphite surface: A first-principles study and comparison with aprotic ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 18338-18348.	1.3	8
259	N-doped graphitized porous carbon derived from N-rich polymer for improved supercapacitor performance. <i>New Journal of Chemistry</i> , 2022, 46, 9372-9382.	1.4	8
260	Solubilities of MCl (M = Na, K) in Aqueous Systems Containing the Ionic Liquid [Bmim]Cl from (298.15) Tj ETQq0 0,0 rgBT /Oyerlock 10	1.0	7
261	A lattice molecular thermodynamic model for thermo-sensitive random copolymer hydrogels. <i>Colloid and Polymer Science</i> , 2015, 293, 433-439.	1.0	7
262	Incorporation of Amphiphatic Diblock Copolymer in Lipid Bilayer for Improving pH Responsiveness. <i>International Journal of Polymer Science</i> , 2016, 2016, 1-10.	1.2	7
263	Multiscale simulation of shear-induced mechanical anisotropy of binary polymer blends. <i>RSC Advances</i> , 2016, 6, 41734-41742.	1.7	7
264	Melting Behavior of Zipper-Structured Lipopeptides in Lipid Bilayer. <i>Langmuir</i> , 2017, 33, 1478-1485.	1.6	7
265	Design of Calix-Based Cages for CO ₂ Capture. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 4502-4507.	1.8	7
266	Ion-pair recognition based on halogen bonding: a case of the crown-ether receptor with iodo-trizole moiety. <i>Structural Chemistry</i> , 2018, 29, 533-540.	1.0	7
267	Membrane Wrapping Pathway of Injectable Hydrogels: From Vertical Capillary Adhesion to Lateral Compressed Wrapping. <i>Langmuir</i> , 2019, 35, 10631-10639.	1.6	7
268	CO ₂ /CH ₄ separation using flexible microporous organic polymers with expansion/shrinkage transformations during adsorption/desorption processes. <i>Chemical Engineering Journal</i> , 2020, 391, 123521.	6.6	7
269	Metalloids as halogen bond acceptors: A combined crystallographic data and theoretical investigation. <i>Chemical Physics Letters</i> , 2020, 745, 137270.	1.2	7
270	Hydroxyl modified hypercrosslinked polymers: targeting high efficient adsorption separation towards aniline. <i>New Journal of Chemistry</i> , 2021, 45, 11607-11617.	1.4	7

#	ARTICLE	IF	CITATIONS
271	Efficient synthesis of vinylene-linked conjugated porous networks <i>via</i> the Horner-Wadsworth-Emmons reaction for photocatalytic hydrogen evolution. <i>Chemical Communications</i> , 2021, 57, 7557-7560.	2.2	7
272	Triangular Interchalcogen Interactions: A Joint Crystallographic Data Analysis and Theoretical Study. <i>Journal of Physical Chemistry A</i> , 2021, 125, 4173-4183.	1.1	7
273	Effect of the Substituent Position on the Phase Behavior and Photoresponsive Dynamic Behavior of Mixed Systems of a Gemini Surfactant and <i>trans</i> -Methoxy Sodium Cinnamates. <i>Langmuir</i> , 2021, 37, 9518-9531.	1.6	7
274	Defect-Engineering of Anionic Porous Aromatic Frameworks for Ammonia Capture. <i>ACS Applied Polymer Materials</i> , 2021, 3, 4534-4542.	2.0	7
275	A novel drug delivery system "Drug crystallization encapsulated liquid crystal emulsion. <i>International Journal of Pharmaceutics</i> , 2021, 607, 121007.	2.6	7
276	Optimizing pore structure of nanoporous membranes for high-performance salinity gradient power conversion. <i>Chemical Engineering Journal</i> , 2022, 444, 136675.	6.6	7
277	Molecular Insights into Guaiacols Hydrodeoxygenation on Nickel Nanoparticle Surfaces. <i>Journal of Physical Chemistry C</i> , 2022, 126, 9724-9735.	1.5	7
278	Effects of Short-Chain Alcohol on the Micellization of Gemini Surfactant C16E6Br in Aqueous Solution. <i>Journal of Dispersion Science and Technology</i> , 2007, 28, 1169-1172.	1.3	6
279	Surface modification and characterization of SEBS films obtained by <i>in situ</i> and <i>ex situ</i> oxidization with potassium permanganate. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2010, 48, 2262-2273.	2.4	6
280	Solvent-Induced Crystallization of PS- <i>b</i> -PEO- <i>b</i> -PS Block Copolymer Films. <i>Journal of Macromolecular Science - Physics</i> , 2010, 49, 440-453.	0.4	6
281	Controlled assembly of plasmonic nanoparticles using neutral-charged diblock copolymers. <i>Journal of Colloid and Interface Science</i> , 2014, 431, 97-104.	5.0	6
282	Rheological behavior of mixed system of ionic liquid [C8mim]Br and sodium oleate in water. <i>Frontiers of Chemical Science and Engineering</i> , 2015, 9, 232-241.	2.3	6
283	Effect of 1D twisted water chains confined in channels formed by a Gemini amphiphile on its crystal stability. <i>CrystEngComm</i> , 2015, 17, 1439-1447.	1.3	6
284	Thermoresponsive behavior and rheology of SiO_2 -hyaluronic acid/poly(<i>N</i> -isopropylacrylamide) (NaHA -PNIPAm) core-shell structured microparticles. <i>Journal of Chemical Technology and Biotechnology</i> , 2015, 90, 407-414.	1.6	6
285	Intramolecular halogen bonds in 1,2-aryldiyne molecules: a theoretical study. <i>Structural Chemistry</i> , 2016, 27, 907-917.	1.0	6
286	Possible Way to Study Cononsolvency in Confinement: A Lattice Density Functional Theory Approach. <i>Langmuir</i> , 2017, 33, 11446-11456.	1.6	6
287	Facile synthesis of nitrogen, sulfur dual-doped porous carbon via carbonization of coal tar pitch and $\text{MgCl}_2 \cdot 6\text{H}_2\text{O}$ for oxygen reduction reaction. <i>Journal of Solid State Electrochemistry</i> , 2019, 23, 2455-2464.	1.2	6
288	Molecular simulation and experimental studies on the interfacial properties of a mixed surfactant SDS/C ₄ mimBr. <i>Molecular Simulation</i> , 2019, 45, 223-229.	0.9	6

#	ARTICLE	IF	CITATIONS
289	Synthesis of a small molecular polydentate polymer IHP-MP and its application to cement or graphene oxide dispersion via strong interactions between adsorption groups and interfaces. <i>Journal of Materials Science</i> , 2020, 55, 4701-4716.	1.7	6
290	Thermodynamic Barrier for Nanoparticle Penetration into Nanotubes. <i>Langmuir</i> , 2020, 36, 15514-15522.	1.6	6
291	Accurate Targeting and Controllable Release of Hybrid Liposome Containing a Stretchable Copolymer. <i>Macromolecular Chemistry and Physics</i> , 2020, 221, 1900536.	1.1	6
292	Theoretical Insights into the Structures and Capacitive Performances of Confined Ionic Liquids. <i>Polymers</i> , 2020, 12, 722.	2.0	6
293	First-Principles Study of Interhalogen Interactions and Triangular Windmill Structures in Self-Assembly of Fully Halogenated Benzenes on a Silver Surface. <i>Journal of Physical Chemistry C</i> , 2021, 125, 526-535.	1.5	6
294	Prediction of Infinite Dilution Molar Conductivity for Unconventional Ions: A Quantitative Structure-Property Relationship Study. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 14625-14634.	1.8	6
295	Monte-Carlo Study of Triblock Copolymer/Homopolymer Blend Films. <i>Macromolecular Theory and Simulations</i> , 2007, 16, 93-100.	0.6	5
296	Unraveling the forming mechanism of hierarchical helices via self-assembly of an achiral supramolecular polymer brush. <i>Polymer Chemistry</i> , 2015, 6, 3926-3933.	1.9	5
297	Microscopic insight into the DNA condensation process of a zwitterion-functionalized polycation. <i>Biopolymers</i> , 2016, 105, 802-810.	1.2	5
298	Blocking effect of benzene-like fluid transport in nanoscale block-pores. <i>Molecular Simulation</i> , 2017, 43, 526-533.	0.9	5
299	CO ₂ -triggered switchable Pickering emulsion stabilized by guanidine-functionalized silica particles. <i>Journal of Dispersion Science and Technology</i> , 2018, 39, 952-960.	1.3	5
300	Time-dependent density functional theory for the freezing/melting transition in interfacial systems. <i>Chemical Engineering Science</i> , 2019, 207, 327-333.	1.9	5
301	Amino acid modified carbon nanotubes with optimal pore size for chiral separation. <i>Molecular Simulation</i> , 2019, 45, 1051-1057.	0.9	5
302	Calculation of surface tensions for liquid mixtures using the SWCVR EOS and Butler-type method. <i>AIChE Journal</i> , 2019, 65, e16633.	1.8	5
303	Thermostat effect on water transport dynamics across CNT membranes. <i>Molecular Simulation</i> , 2020, 46, 699-705.	0.9	5
304	A pH/reduction dual-sensitive copolymer inserted in liposomal bilayer acts as a protective "umbrella". <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 602, 125128.	2.3	5
305	Augmented Scaled Particle Theory. <i>Journal of Physical Chemistry B</i> , 2020, 124, 1207-1217.	1.2	5
306	Construction of Covalent Organic Frameworks with Crown Ether Struts. <i>Angewandte Chemie</i> , 2021, 133, 10047-10051.	1.6	5

#	ARTICLE	IF	CITATIONS
307	Experimental Study of Poly(1-Acetamide-3-vinylimidazolium Bromide) as a Corrosion Inhibitor for N80 Carbon Steel in HCl. <i>ChemistrySelect</i> , 2021, 6, 5203-5210.	0.7	5
308	Suppressing lithium dendrites by coating MoS ₂ with different layer spacings: A multiscale simulation study. <i>Chemical Engineering Science</i> , 2021, 244, 116795.	1.9	5
309	Indocyanine Green Performance Enhanced System for Potent Photothermal Treatment of Bacterial Infection. <i>Molecular Pharmaceutics</i> , 2022, 19, 4527-4537.	2.3	5
310	Statistic Copolymers Working as Growth Factor-Binding Mimics of Fibronectin. <i>Advanced Science</i> , 2022, 9, e2200775.	5.6	5
311	Modeling Comblike Polymer Solutions Using an Equation of State: Application to Vapor-Liquid Equilibria. <i>Industrial & Engineering Chemistry Research</i> , 2002, 41, 862-870.	1.8	4
312	Adsorption Behavior of Asymmetrical Triblock Copolymers at the Solid-Liquid Interface by Monte Carlo Simulation. <i>Macromolecular Theory and Simulations</i> , 2004, 13, 711-723.	0.6	4
313	Rheological Properties of Mixed Aqueous Solutions of Gemini (12-Br ⁺) and SDS. <i>Journal of Dispersion Science and Technology</i> , 2007, 28, 854-859.	1.3	4
314	Controlled synthesis of uniform silver nanowires with high aspect ratios in aqueous solutions of gemini surfactant. <i>Frontiers of Chemical Engineering in China</i> , 2007, 1, 221-227.	0.6	4
315	Synthesis, characterization and fluorescence quenching of conjugated polymer containing triphenylamine group. <i>Frontiers of Chemical Engineering in China</i> , 2008, 2, 428-433.	0.6	4
316	Synthesis and properties of electrically sensitive poly(acrylic acid-co-acetoacetoxy ethyl) Tj ETQq0 0 0 rrgBT /Overlock 10 Tf	1.3	4
317	Decondensation of cationic gemini surfactant-induced DNA aggregates using triblock copolymer (PEO) ₂₀ -(PPO) ₇₀ -(PEO) ₂₀ . <i>Colloid and Polymer Science</i> , 2013, 291, 2139-2146.	1.0	4
318	Vapor pressure measurement and correlation of acetonitrile +1-butyl-3-methylimidazolium chloride, +1-butyl-3-methylimidazolium tetrafluoroborate, and +1-hexyl-3-methylimidazolium chloride. <i>Chinese Journal of Chemical Engineering</i> , 2015, 23, 412-416.	1.7	4
319	Guest-Induced Breathing Effect in a Flexible Molecular Crystal. <i>Angewandte Chemie</i> , 2016, 128, 3439-3442.	1.6	4
320	Reversible water uptake by a porous molecular crystal from metal complex of gemini surfactant. <i>CrystEngComm</i> , 2017, 19, 802-810.	1.3	4
321	Controlling the spin state of diphenylcarbene via halogen bonding: A theoretical study. <i>International Journal of Quantum Chemistry</i> , 2018, 118, e25616.	1.0	4
322	Improved oxidation of hydrogen off-gas by hydrophobic surface modification: A multiscale density functional theory study. <i>Particuology</i> , 2019, 44, 28-35.	2.0	4
323	Induced-Fit Suction-effect: a booster for biofuel storage and separation. <i>Journal of Materials Chemistry A</i> , 2019, 7, 22353-22358.	5.2	4
324	Local Environment Structure in Positively Charged Porous Ionic Polymers for Ultrafast Removal of Sulfonamide Antibiotics. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 16629-16635.	1.8	4

#	ARTICLE	IF	CITATIONS
325	Tailor-made chalcogen-rich polycarbonates: experimental and computational insights into chalcogen group-dependent ring opening polymerization. <i>Polymer Chemistry</i> , 2020, 11, 744-751.	1.9	4
326	Understanding electrokinetic thermodynamics in nanochannels. <i>Chinese Journal of Chemical Engineering</i> , 2021, 31, 33-41.	1.7	4
327	Multiple effects of sodium dodecyl sulfate on chromogenic catalysis of tetramethylbenzidine with horseradish peroxidase. <i>Journal of Dispersion Science and Technology</i> , 2021, 42, 526-536.	1.3	4
328	Construction of electrochemical immunosensors based on redox hydrogels for ultrasensitive detection of carcinoembryonic antigens. <i>New Journal of Chemistry</i> , 2021, 45, 10880-10889.	1.4	4
329	Novel Peptide-Polymer Conjugate with pH-Responsive Targeting/Disrupting Effects on Biomembranes. <i>Langmuir</i> , 2021, 37, 8840-8846.	1.6	4
330	2D Square Chalcogen Bonds between Pairs of Radicals: A Case Study of 1,2,3,5-Dichalcogenadiazolyl Derivatives. <i>Journal of Physical Chemistry A</i> , 2021, 125, 8572-8580.	1.1	4
331	A reaction density functional theory study of solvent effect in the nucleophilic addition reactions in aqueous solution. <i>Green Energy and Environment</i> , 2020, , .	4.7	4
332	Square tetravalent chalcogen bonds in dimeric aggregates: a joint crystallographic survey and theoretical study. <i>CrystEngComm</i> , 2022, 24, 975-986.	1.3	4
333	Molecular dynamics simulations and quantitative calculations on photo-responsive behavior of wormlike micelles constructed by gemini surfactant 12-(3-(12- Br^{\sim})-2Br \sim) and cinnamates with different ortho-substituents. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 641, 128476.	2.3	4
334	A Theoretical Model for the Charging Dynamics of Associating Ionic Liquids. <i>Frontiers in Chemical Engineering</i> , 2022, 4, .	1.3	4
335	Multiple strategies to control the hydrophilic-hydrophobic balance of P(DMA-co-DMAEMA-co-QDMAEMA) coatings. <i>Soft Matter</i> , 2022, 18, 4913-4922.	1.2	4
336	Model Bridging Effects of Asymmetrical Triblock Copolymers. <i>Macromolecular Theory and Simulations</i> , 2005, 14, 172-180.	0.6	3
337	Interlocking layer structures formed in spin-cast polymer blend films by surface segregation and self-stratification. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2007, 45, 532-543.	2.4	3
338	CO ₂ Adsorption on Porous Materials: Experimental and Simulation Study. <i>ACS Symposium Series</i> , 2010, , 209-232.	0.5	3
339	Atomistic simulations for adsorption and separation of flue gas in MFI zeolite and MFI/MCM-41 micro/mesoporous composite. <i>Frontiers of Chemical Science and Engineering</i> , 2011, 5, 264-273.	2.3	3
340	Aggregate Morphologies of PS-b-PEO-b-PS Copolymer in Mixed Solvents. <i>Journal of Dispersion Science and Technology</i> , 2011, 32, 159-166.	1.3	3
341	Preparation of a gel-coated liposome and its application in drug release. <i>Journal of Chemical Technology and Biotechnology</i> , 2013, 88, 1561-1567.	1.6	3
342	An Amphiphilic Mesoporous Poly(ionic liquid) Material with Efficient Removal Capability of Anionic Dyes. <i>Chemistry Letters</i> , 2018, 47, 913-915.	0.7	3

#	ARTICLE	IF	CITATIONS
343	Modulation of phase transition of thermosensitive liposomes with leucine zipper-structured lipopeptides. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 15916-15925.	1.3	3
344	Droplet Evaporation on a Hydrophilic Mesh Considering Their Sunken Shapes in Holes. <i>Chemical Engineering and Technology</i> , 2020, 43, 143-149.	0.9	3
345	Molecular dynamics simulation for drug delivery in azobenzene-containing membranes. <i>Molecular Simulation</i> , 2020, 46, 300-307.	0.9	3
346	Semi-quantitative Analysis of the UV-responsive Behavior of Anisotropic Phase Constructed by Gemini Surfactant 12-3-12-2Br and trans-ortho-Methoxycinnamate. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 605, 125348.	2.3	3
347	Nitrogen and Oxygen Co-doped Hierarchical Porous Carbon: Electrode Materials for High-Energy Density and Flexible Solid-State Supercapacitors. <i>ChemElectroChem</i> , 2020, 7, 3065-3073.	1.7	3
348	Development of dual-model classical density functional theory and its application to gas adsorption in porous materials. <i>AIChE Journal</i> , 2021, 67, e17120.	1.8	3
349	Engulfing Behavior of Nanoparticles into Thermoresponsive Microgels: A Mesoscopic Simulation Study. <i>Journal of Physical Chemistry B</i> , 2021, 125, 2994-3004.	1.2	3
350	A reduction-triggered nanocarrier based on host-guest interaction between pillar[5]arene derivative and viologen on MSN for intracellular delivery. <i>Journal of Drug Delivery Science and Technology</i> , 2022, 68, 103055.	1.4	3
351	<i>In situ</i> formation of a near-infrared controlled dual-antibacterial platform. <i>New Journal of Chemistry</i> , 2022, 46, 1569-1576.	1.4	3
352	Study on the Liquid-Liquid and Liquid-Solid Interfacial Behavior of Functionalized Graphene Oxide. <i>Langmuir</i> , 2022, 38, 482-494.	1.6	3
353	Intracellular transport of biomacromolecular drugs by a designed microgel capsule with pH/redox stimulus-responsiveness. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 648, 129269.	2.3	3
354	Studies of Adsorption of Diblock Copolymers from Non-Selective Solvent by Scheutjens-Fleer Theory and Monte Carlo Simulation, 1. <i>Macromolecular Theory and Simulations</i> , 2003, 12, 153-162.	0.6	2
355	Monte Carlo simulation of AB diblock copolymer between surface and substrate and comparison of experimental results. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2006, 44, 1835-1845.	2.4	2
356	Electrical Properties and Stability of Poly(N-isopropylacrylamide-co-methacrylic Acid) Core-Shell Microgel. <i>Journal of Dispersion Science and Technology</i> , 2009, 30, 1281-1287.	1.3	2
357	A density functional theory for Yukawa chain fluids in a nanoslit. <i>Molecular Simulation</i> , 2010, 36, 291-301.	0.9	2
358	The Energy Difference between the Triply-Bridged and All-Terminal Structures of $\text{Co}_4(\text{CO})_{12}$, $\text{Rh}_4(\text{CO})_{12}$, and $\text{Ir}_4(\text{CO})_{12}$: A Difficult Test for Conventional Density Functional Methods. <i>Journal of Chemical Theory and Computation</i> , 2015, 11, 940-949.	2.3	2
359	Membrane property and biofunction of phospholiposome incorporated with anomeric galactolipids. <i>SpringerPlus</i> , 2016, 5, 655.	1.2	2
360	Two/three-dimensional interfacial properties of the novel peptide as a selective destroyer of biomembrane. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 574, 62-68.	2.3	2

#	ARTICLE	IF	CITATIONS
361	Molecular understanding of the LCST phase behaviour of P(MEO ₂ MA-b-OEGMA) block copolymers. <i>Molecular Simulation</i> , 2021, 47, 299-305.	0.9	2
362	Regulating Steric Hindrance in Redox-Active Porous Organic Frameworks Achieves Enhanced Sodium Storage Performance (Small 1/2022). <i>Small</i> , 2022, 18, 2270004.	5.2	2
363	In-situ self-assembly robust defected graphene wrapped silicon/nanorod carbon for high-performance binder-free Li ion battery. <i>Materials Letters</i> , 2022, 324, 132636.	1.3	2
364	Construction of pH/reduction dual responsive MSN-HAgel containing HApt for tumor targeting carriers. <i>RSC Advances</i> , 2022, 12, 19063-19071.	1.7	2
365	Studies of Adsorption of Diblock Copolymers from Non-Selective Solvent by Scheutjens-Fleer Theory and Monte Carlo Simulation, 2. <i>Macromolecular Theory and Simulations</i> , 2003, 12, 163-173.	0.6	1
366	Effect of steady shear on multi-axial texture of symmetric diblock copolymers. <i>Frontiers of Chemical Engineering in China</i> , 2007, 1, 26-34.	0.6	1
367	Morphologies of diblock copolymer confined in a slit with patterned surfaces studied by dissipative particle dynamics. <i>Frontiers of Chemical Engineering in China</i> , 2007, 1, 132-139.	0.6	1
368	Effect of Polymer-Substrate Interactions on the Surface Morphology of Polymer Blend Thin Films: Comparison between Simulation and Experiment. <i>Journal of Macromolecular Science - Physics</i> , 2009, 48, 723-735.	0.4	1
369	Computer simulation of gas adsorption in modified COF-108: the impregnation of C ₆₀ into COF-108. <i>Molecular Simulation</i> , 2012, 38, 595-603.	0.9	1
370	Melting dynamics of short dsDNA chains in saline solutions. <i>SpringerPlus</i> , 2015, 4, 777.	1.2	1
371	Lattice density functional theory for confined Ising fluids: comparison between different functional approximations in slit pore. <i>Molecular Physics</i> , 2016, 114, 2541-2547.	0.8	1
372	Toxicant Deposition and Transport in Alveolus: A Classical Density Functional Prediction. <i>Chemical Research in Toxicology</i> , 2018, 31, 1398-1404.	1.7	1
373	Time-dependent density functional study for nanodroplet coalescence. <i>AIChE Journal</i> , 2020, 66, e16810.	1.8	1
374	Screening of Porous Materials for Toxic Gas Adsorption: Classical Density Functional Approach. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 14364-14373.	1.8	1
375	Surface modification by poly(ethylene glycol) with different end-grafted groups: Experimental and theoretical study. <i>Biointerphases</i> , 2021, 16, 021002.	0.6	1
376	Circulating jet for enhancing the mass transfer in a gas-liquid stirred tank reactor. <i>AIChE Journal</i> , 0, e17392.	1.8	1
377	Coupling-promoted oxidative degradation of organic micropollutants by iron oxychloride (FeOCl) with dual active sites. <i>Chemical Engineering Journal Advances</i> , 2022, 9, 100214.	2.4	1
378	Modeling Multicomponent Gas Adsorption in Nanoporous Materials with Two Versions of Nonlocal Classical Density Functional Theory. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 17016-17025.	1.8	1

#	ARTICLE	IF	CITATIONS
379	Flow effects on the surface properties of surfactant foam films. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 26761-26767.	1.3	1
380	Fluids of hard-spheres with two sticky thin layers, liquid-liquid transition for pure substances. <i>Journal of Chemical Physics</i> , 2001, 115, 970-976.	1.2	0
381	Mechanical behavior and wrinkling patterns of phase-separated binary polymer blend film. <i>Frontiers of Chemistry in China: Selected Publications From Chinese Universities</i> , 2011, 6, 159-163.	0.4	0
382	Carbon Membranes: New Tricks for Old Molecules: Development and Application of Porous N-doped, Carbonaceous Membranes for CO ₂ Separation (<i>Adv. Mater.</i> 30/2013). <i>Advanced Materials</i> , 2013, 25, 4200-4200.	11.1	0
383	In-situ Observation of the Growth of Fibrous and Dendritic Crystals in Quasi-2-dimensional Poly(ethylene oxide) Ultrathin Films. <i>Chinese Journal of Chemical Engineering</i> , 2014, 22, 339-345.	1.7	0
384	Synthesis and characterization of SiO ₂ -gel microparticles as injectable implant biomaterials. <i>Research on Chemical Intermediates</i> , 2014, 40, 11-22.	1.3	0
385	Structural variation determined by length-matching effects: towards the formation of flexible porous molecular crystals. <i>CrystEngComm</i> , 2018, 20, 2648-2652.	1.3	0
386	Preorganization-enhanced halogen bonding via intramolecular hydrogen bonding: a theoretical study. <i>Structural Chemistry</i> , 2020, 31, 1999-2009.	1.0	0
387	A New Antiport Mechanism Using the Abnormal Adsorption of Ions. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 7632-7635.	2.1	0
388	Exceptional supercapacitive performances of single-phase quaternary metal hydroxychlorides. <i>ChemElectroChem</i> , 0, , .	1.7	0
389	Nonnegligible Nano-confinement Effect on Solvent-mediated Interactions between Nanoparticles. <i>Chemical Engineering Science</i> , 2021, 248, 117238.	1.9	0
390	Nonequilibrium thermodynamics of electrochemical processes. <i>Scientia Sinica Chimica</i> , 2022, 52, 668-677.	0.2	0