Yu Weiyan

List of Publications by Year
in descending order

87 papers	2,590 citations	236833 25 h-index	206029 48 g-index
87 all docs	87 docs citations	87 times ranked	3221 citing authors

#	Article	IF	Citations
1	Single-atom cobalt-hydroxyl modification of polymeric carbon nitride for highly enhanced photocatalytic water oxidation: ball milling increased single atom loading. Chemical Science, 2022, 13, 754-762.	3.7	20
2	Electrodeposition of NiFe-layered double hydroxide layer on sulfur-modified nickel molybdate nanorods for highly efficient seawater splitting. Journal of Colloid and Interface Science, 2022, 613, 349-358.	5.0	58
3	Vesicle formation of single-tailed amphiphilic alkyltrimethylammonium bromides in water induced by dehydrationâ€“rehydration. Soft Matter, 2022, 18, 2072-2081.	1.2	2
4	A Model for the Structure of Adsorbed Layers at Solid/Liquid Interfaces. Langmuir, 2022, , .	1.6	1
5	Ion-Induced Synthesis of Crystalline Carbon Nitride Ultrathin Nanosheets from Mesoporous Melon for Efficient Photocatalytic Hydrogen Evolution with Synchronous Highly Selective Oxidation of Benzyl Alcohol. ACS Applied Materials & Interfaces, 2022, 14, 13419-13430.	4.0	20
6	PEO-PPO-PEO induced holey NiFe-LDH nanosheets on Ni foam for efficient overall water-splitting and urea electrolysis. Journal of Colloid and Interface Science, 2022, 618, 141-148.	5.0	21
7	Partial Sulfidation Strategy to NiFeâ€ŁDH@FeNi₂S₄ Heterostructure Enable Highâ€Performance Water/Seawater Oxidation. Advanced Functional Materials, 2022, 32, .	7.8	100
8	The pivotal role of defects in fabrication of polymeric carbon nitride homojunctions with enhanced photocatalytic hydrogen evolution. Journal of Colloid and Interface Science, 2021, 586, 748-757.	5.0	25
9	Solvothermal synthesis of carbonate-type layered double hydroxide monolayer nanosheets: Solvent selection based on characteristic parameter matching criterion. Journal of Colloid and Interface Science, 2021, 587, 324-333.	5.0	4
10	Preparation of composite soybean straw-based materials by LDHs modifying as a solid sorbent for removal of Pb(ii) from water samples. Open Chemistry, 2021, 19, 726-734.	1.0	6
11	Vesicle formation of single-chain amphiphilic 4-dodecylbenzene sulfonic acid in water and micelle-to-vesicle transition induced by wetâ€“dry cycles. Soft Matter, 2021, 17, 2490-2499.	1.2	7
12	Spontaneous vesicle formation and vesicle-to-Î±-gel transition in aqueous mixtures of sodium monododecylphosphate and guanidinium salts. Soft Matter, 2021, 17, 4604-4614.	1.2	2
13	Sodium Monododecylphosphate Vesicles Formed in Alcohol/Water Mixtures. ChemNanoMat, 2021, 7, 553-560.	1.5	2
14	Single Platinum Atoms Immobilized on Monolayer Tungsten Trioxide Nanosheets as an Efficient Electrocatalyst for Hydrogen Evolution Reaction. Advanced Functional Materials, 2021, 31, 2009770.	7.8	53
15	Adsorption of Cetylpyridinium Chloride at Silica Nanoparticle/Water Interfaces (I): Dependence of Adsorption Equilibrium on Particle Size. Langmuir, 2021, 37, 7966-7974.	1.6	5
16	An aqueous two-phase system formed in single-component solution of Î±-ketooctanoic acid. RSC Advances, 2021, 11, 34245-34249.	1.7	3
17	Band structure engineering of polymeric carbon nitride with oxygen/carbon codoping for efficient charge separation and photocatalytic performance. Journal of Colloid and Interface Science, 2020, 564, 333-343.	5.0	26
18	Mechanochemical Synthesis of Nitrogen-Deficient Mesopore-Rich Polymeric Carbon Nitride with Highly Enhanced Photocatalytic Performance. ACS Sustainable Chemistry and Engineering, 2020, 8, 18606-18615.	3.2	33

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19	NiFe-coordinated zeolitic imidazolate framework derived trifunctional electrocatalyst for overall water-splitting and zinc-air batteries. Journal of Colloid and Interface Science, 2020, 579, 1-11.	5.0	39
20	Specific Ion Effects on the Colloidal Stability of Layered Double Hydroxide Single-layer Nanosheets. Langmuir, 2020, 36, 6557-6568.	1.6	23
21	3D hierarchical porous nitrogen-doped carbon/Ni@NiO nanocomposites self-templated by cross-linked polyacrylamide gel for high performance supercapacitor electrode. Journal of Colloid and Interface Science, 2020, 570, 286-299.	5.0	36
22	Construction of direct all-solid-state Z-scheme p-n copper indium disulfide/tungsten oxide heterojunction photocatalysts: Function of interfacial electric field. Journal of Colloid and Interface Science, 2019, 555, 72-81.	5.0	29
23	Space-confined synthesis of monolayer molybdenum disulfide using tetrathiomolybdate intercalated layered double hydroxide as precursor. Journal of Colloid and Interface Science, 2019, 541, 183-191.	5.0	13
24	Fabrication of Layered Double Hydroxide/Silica Foam Nanocomposites and Their Application for Removing Pb(II) and Cr(VI) from Aqueous Solutions. ChemistrySelect, 2019, 4, 6971-6977.	0.7	1
25	In situ growth of ultrathin NiFe layered double hydroxide nanosheets on reduced oxide graphene as an enhanced oxygen evolution electrocatalyst. Journal of Colloid and Interface Science, 2019, 552, 671-677.	5.0	30
26	Facile synthesis of indium hydroxide nanosheet/bismuth molybdate hierarchical microsphere heterojunction with enhanced photocatalytic performance. Journal of Colloid and Interface Science, 2019, 545, 301-310.	5.0	33
27	Estimation of surface free energy and solubility parameters of Mg Al layered double hydroxides. Journal of Colloid and Interface Science, 2019, 546, 361-370.	5.0	9
28	Understanding Li-Al-CO3 layered double hydroxides. (I) Urea-supported hydrothermal synthesis. Journal of Colloid and Interface Science, 2019, 547, 183-189.	5.0	17
29	Understanding Li-Al-CO3 layered double hydroxides. (II) Interface electrochemical properties. Journal of Colloid and Interface Science, 2019, 547, 217-223.	5.0	8
30	Correlations of surface free energy and solubility parameters for solid substances. Journal of Colloid and Interface Science, 2019, 544, 8-13.	5.0	23
31	Sb-doped polymeric carbon nitride with charge-capture centers for efficient charge separation and photocatalytic performance in H2 evolution and environmental remediation. Catalysis Science and Technology, 2019, 9, 6627-6637.	2.1	7
32	Facile synthesis of tin-doped polymeric carbon nitride with a hole-trapping center for efficient charge separation and photocatalytic hydrogen evolution. Journal of Materials Chemistry A, 2019, 7, 25824-25829.	5.2	16
33	Synthesis of belt-like bismuth-rich bismuth oxybromide hierarchical nanostructures with high photocatalytic activities. Journal of Colloid and Interface Science, 2019, 534, 301-311.	5.0	32
34	Synthesis and photocatalytic activity of BiOBr nanosheets with tunable crystal facets and sizes. Catalysis Science and Technology, 2018, 8, 2588-2597.	2.1	64
35	Synthesis of layered double hydroxide/poly(N-isopropylacrylamide) nanocomposite hydrogels with excellent mechanical and thermoresponsive performances. Soft Matter, 2018, 14, 1789-1798.	1.2	41
36	A surfactant-free microemulsion composed of isopentyl acetate, n-propanol, and water. RSC Advances, 2018, 8, 1371-1377.	1.7	14

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37	Enhanced charge carrier separation of manganese(<scp>ii</scp>)-doped graphitic carbon nitride: formation of Nâ€“Mn bonds through redox reactions. Journal of Materials Chemistry A, 2018, 6, 6238-6243.	5.2	40
38	Spontaneous vesicle formation and vesicle-to-micelle transition of sodium 2-ketooctanate in water. Journal of Colloid and Interface Science, 2018, 509, 265-274.	5.0	23
39	Analysis of Adsorbed Layers of Benzyldimethyldodecylammonium Bromide on Silica Particles in Water Using the Sorbent Mass Variation Method. Langmuir, 2018, 34, 12802-12808.	1.6	3
40	Predicting Points of Zero Net Charge of Layered Double Hydroxides. Langmuir, 2018, 34, 12619-12624.	1.6	7
41	Adsorption of benzyldimethyldodecylammonium bromide on silica nanoparticles in water. Colloid and Polymer Science, 2018, 296, 341-353.	1.0	5
42	Surfactant-Free Microemulsions of 1-Butyl-3-methylimidazolium Hexafluorophosphate, Diethylammonium Formate, and Water. Langmuir, 2018, 34, 7776-7783.	1.6	16
43	Vesicles of 2-ketooctanoic acid in water. Soft Matter, 2017, 13, 2246-2252.	1.2	19
44	Surfactant-free microemulsions of 1-butyl-3-methylimidazolium hexafluorophosphate, propylamine nitrate, and water. Soft Matter, 2017, 13, 2067-2074.	1.2	13
45	Microviscosity, encapsulation, and permeability of 2-ketooctanoic acid vesicle membranes. Soft Matter, 2017, 13, 3514-3520.	1.2	9
46	Preparation and photovoltaic properties of CdS quantum dot-sensitized solar cell based on zinc tin mixed metal oxides. Journal of Colloid and Interface Science, 2017, 498, 223-228.	5.0	24
47	Molecular dynamics simulation of sodium dodecylsulfate (SDS) bilayers. Journal of Colloid and Interface Science, 2017, 506, 227-235.	5.0	15
48	Synthesis of hierarchical flower-like Mg2Al-Cl layered double hydroxide in a surfactant-free reverse microemulsion. Journal of Colloid and Interface Science, 2017, 505, 816-823.	5.0	47
49	Thickness-determined photocatalytic performance of bismuth tungstate nanosheets. RSC Advances, 2016, 6, 31744-31750.	1.7	20
50	Inflating Strategy To Form Ultrathin Hollow MnO₂ Nanoballoons. ACS Nano, 2016, 10, 5916-5921.	7.3	41
51	Electrochemical sensor for bisphenol A based on ionic liquid functionalized Zn-Al layered double hydroxide modified electrode. Materials Science and Engineering C, 2016, 64, 354-361.	3.8	55
52	Formation of simple single-tailed vesicles mediated by lipophilic solid surfaces. Soft Matter, 2016, 12, 8574-8580.	1.2	6
53	Sorption of Pb(II) on carboxymethyl chitosan-conjugated magnetite nanoparticles: application of sorbent dosage-dependent isotherms. Colloid and Polymer Science, 2016, 294, 1369-1379.	1.0	13
54	Fabrication of pore-rich nitrogen-doped graphene aerogel. RSC Advances, 2016, 6, 23012-23015.	1.7	12

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55	A Nonconventional Model of Protocell-like Vesicles: Anionic Clay Surface-Mediated Formation from a Single-Tailed Amphiphile. Langmuir, 2015, 31, 12579-12586.	1.6	9
56	Sorbent effect on the sorption of Cr(VI) on a Mg6AlFe-layered double hydroxide and its calcined product in aqueous solutions. Colloid and Polymer Science, 2015, 293, 1961-1969.	1.0	19
57	Synthesis of Magnetiteâ€“Graphene Oxide-Layered Double Hydroxide Composites and Applications for the Removal of Pb(II) and 2,4-Dichlorophenoxyacetic Acid from Aqueous Solutions. ACS Applied Materials & Interfaces, 2015, 7, 7251-7263.	4.0	176
58	Synthesis and release behavior of a hybrid of camptothecin intercalated dodecyl sulfate modified layered double hydroxide. Chemical Research in Chinese Universities, 2014, 30, 137-143.	1.3	6
59	Sorbent concentration effect on adsorption of methyl orange on chitosan beads in aqueous solutions. Chemical Research in Chinese Universities, 2014, 30, 837-843.	1.3	6
60	Synthesis and aggregation behavior of amphiphilic nanostructures composed of carbosilane dendrimer with peripheral poly(ethylene glycol) moieties. Polymer International, 2014, 63, 1875-1880.	1.6	1
61	Assembly of gold nanoparticles on like-charge graphene oxide for fast release of hydrophobic molecules. RSC Advances, 2014, 4, 5834.	1.7	5
62	Enhanced visible light photocatalytic activity of bismuth oxybromide lamellas with decreasing lamella thicknesses. Journal of Materials Chemistry A, 2014, 2, 8926-8932.	5.2	83
63	Structural characterization and electrocatalytic application of hemoglobin immobilized in layered double hydroxides modified with hydroxyl functionalized ionic liquid. Journal of Colloid and Interface Science, 2014, 433, 49-57.	5.0	19
64	Synthesis, characterization and enhanced visible light photocatalytic activity of Bi₂MoO₆/Znâ€“Al layered double hydroxide hierarchical heterostructures. Catalysis Science and Technology, 2014, 4, 1028-1037.	2.1	150
65	Synthesis, characterization, and visible-light photocatalytic activity of BiOI hierarchical flower-like microspheres. RSC Advances, 2014, 4, 31393-31399.	1.7	44
66	Sorption of Cr(<scp>vi</scp>) on Mgâ€“Alâ€“Fe layered double hydroxides synthesized by a mechanochemical method. RSC Advances, 2014, 4, 46823-46830.	1.7	44
67	Synthesis and characterization of g-C3N4/Bi2MoO6 heterojunctions with enhanced visible light photocatalytic activity. Applied Catalysis B: Environmental, 2014, 160-161, 89-97.	10.8	510
68	Facile synthesis of camptothecin intercalated layered double hydroxide nanohybrids via a coassembly route. International Journal of Pharmaceutics, 2013, 454, 453-461.	2.6	28
69	Dendritic amphiphiles of carbosilane dendrimers with peripheral PEG for drug encapsulation. Journal of Polymer Research, 2013, 20, 1.	1.2	2
70	Ionic liquid microemulsions of 1-butyl-3-methylimidazolium hexafluorophosphate, N,N-dimethylformamide, and water. RSC Advances, 2013, 3, 21494.	1.7	27
71	Nonaqueous ionic liquid microemulsions of 1-butyl-3-methylimidazolium tetrafluoroborate, toluene and ethanol. Soft Matter, 2013, 9, 6497.	1.2	39
72	Synthesis of Mg2Al-Cl layered double hydroxide nanosheets in a surfactant-free reverse microemulsion. Colloid and Polymer Science, 2013, 291, 2515-2521.	1.0	32

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73	Interaction between xanthan gum and cationic cellulose JR400 in aqueous solution. Carbohydrate Polymers, 2012, 89, 24-30.	5.1	18
74	Mesoporous nanocrystalline zirconium oxide: novel preparation and photoluminescence property. Journal of Porous Materials, 2011, 18, 57-67.	1.3	9
75	Vesicles Formation Induced by Layered Double Hydroxides in Mixture of Lauryl Sulfonate Betaine and Sodium Dodecyl Benzenesulfonate. Chinese Journal of Chemistry, 2011, 29, 1373-1379.	2.6	7
76	Effect of Electrolytes and Polymers on the Thixotropy of Mgâ€Alâ€Layered Double Hydroxides/Kaolinite Dispersions. Chinese Journal of Chemistry, 2011, 29, 2027-2033.	2.6	1
77	Removal of Cu(II) from CuSO4 Aqueous Solution by Mg-Al Hydrotalcite-like Compounds. Chinese Journal of Chemistry, 2011, 29, 847-852.	2.6	10
78	Thermally Stable Nanoporous Nanocrystalline TiO₂with a Bicrystalline (Anatase-Brookite) Framework Fabricated via Combining the Soft-Templating with Solid-Liquid Method. Journal of Dispersion Science and Technology, 2011, 32, 692-701.	1.3	5
79	Controlledâ€release of Avermectin from Organically Modified Hydrotalciteâ€like Compound Nanohybrids. Chinese Journal of Chemistry, 2009, 27, 445-451.	2.6	17
80	Synthesis and Characterization of Imidacloprid/Hydrotalciteâ€like Compound Nanohybrids. Chinese Journal of Chemistry, 2009, 27, 1879-1885.	2.6	11
81	Studies on Dynamic Surface Tension of an Outstanding Microemulsifier in Supercritical CO2and Its Wetting Performance. Journal of Dispersion Science and Technology, 2005, 26, 745-751.	1.3	6
82	Synthesis of rod-like mesoporous silica with hexagonal appearance using sodium silicate as precursor. Colloid and Polymer Science, 2004, 282, 761-765.	1.0	8
83	Synthesis of hollow spherical silica with MCM-41 mesoporous structure. Colloid and Polymer Science, 2004, 282, 1286-1291.	1.0	23
84	Synthesis of High-Quality MCM-48 Mesoporous Silica Using Gemini Surfactant Dimethylene-1,2-bis(dodecyldimethylammonium bromide). Journal of Physical Chemistry B, 2004, 108, 15043-15048.	1.2	56
85	Effect of Pentanol on Morphologies and Pore Structure of Mesoporous Silica. Langmuir, 2003, 19, 4269-4271.	1.6	20
86	Influence of Electrolytes on the Thixotropy of Ferric Aluminum Magnesium Hydroxideâ€Montmorillonite Suspensions. Journal of Dispersion Science and Technology, 2003, 24, 145-152.	1.3	8
87	Removal of Cu(II) by mgAlâ€“OH LDHs/birch leaves composites prepared by ball-milling hydrothermal method and mechanism insight. Water Science and Technology: Water Supply, 0, , .	1.0	0