

Yu Weiyan

List of Publications by Year in descending order

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87
papers

2,590
citations

236833

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87
times ranked

3221
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#	ARTICLE	IF	CITATIONS
1	Synthesis and characterization of g-C ₃ N ₄ /Bi ₂ MoO ₆ heterojunctions with enhanced visible light photocatalytic activity. <i>Applied Catalysis B: Environmental</i> , 2014, 160-161, 89-97.	10.8	510
2	Synthesis of Magnetite@Graphene Oxide-Layered Double Hydroxide Composites and Applications for the Removal of Pb(II) and 2,4-Dichlorophenoxyacetic Acid from Aqueous Solutions. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 7251-7263.	4.0	176
3	Synthesis, characterization and enhanced visible light photocatalytic activity of Bi ₂ MoO ₆ /Zn-Al layered double hydroxide hierarchical heterostructures. <i>Catalysis Science and Technology</i> , 2014, 4, 1028-1037.	2.1	150
4	Partial Sulfidation Strategy to NiFe-LDH@FeNi ₂ S ₄ Heterostructure Enable High-Performance Water/Seawater Oxidation. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	100
5	Enhanced visible light photocatalytic activity of bismuth oxybromide lamellas with decreasing lamella thicknesses. <i>Journal of Materials Chemistry A</i> , 2014, 2, 8926-8932.	5.2	83
6	Synthesis and photocatalytic activity of BiOBr nanosheets with tunable crystal facets and sizes. <i>Catalysis Science and Technology</i> , 2018, 8, 2588-2597.	2.1	64
7	Electrodeposition of NiFe-layered double hydroxide layer on sulfur-modified nickel molybdate nanorods for highly efficient seawater splitting. <i>Journal of Colloid and Interface Science</i> , 2022, 613, 349-358.	5.0	58
8	Synthesis of High-Quality MCM-48 Mesoporous Silica Using Gemini Surfactant Dimethylene-1,2-bis(dodecyldimethylammonium bromide). <i>Journal of Physical Chemistry B</i> , 2004, 108, 15043-15048.	1.2	56
9	Electrochemical sensor for bisphenol A based on ionic liquid functionalized Zn-Al layered double hydroxide modified electrode. <i>Materials Science and Engineering C</i> , 2016, 64, 354-361.	3.8	55
10	Single Platinum Atoms Immobilized on Monolayer Tungsten Trioxide Nanosheets as an Efficient Electrocatalyst for Hydrogen Evolution Reaction. <i>Advanced Functional Materials</i> , 2021, 31, 2009770.	7.8	53
11	Synthesis of hierarchical flower-like Mg ₂ Al-Cl layered double hydroxide in a surfactant-free reverse microemulsion. <i>Journal of Colloid and Interface Science</i> , 2017, 505, 816-823.	5.0	47
12	Synthesis, characterization, and visible-light photocatalytic activity of BiOI hierarchical flower-like microspheres. <i>RSC Advances</i> , 2014, 4, 31393-31399.	1.7	44
13	Sorption of Cr(VI) on Mg-Al-Fe layered double hydroxides synthesized by a mechanochemical method. <i>RSC Advances</i> , 2014, 4, 46823-46830.	1.7	44
14	Inflating Strategy To Form Ultrathin Hollow MnO ₂ Nanoballoons. <i>ACS Nano</i> , 2016, 10, 5916-5921.	7.3	41
15	Synthesis of layered double hydroxide/poly(N-isopropylacrylamide) nanocomposite hydrogels with excellent mechanical and thermoresponsive performances. <i>Soft Matter</i> , 2018, 14, 1789-1798.	1.2	41
16	Enhanced charge carrier separation of manganese-doped graphitic carbon nitride: formation of Mn bonds through redox reactions. <i>Journal of Materials Chemistry A</i> , 2018, 6, 6238-6243.	5.2	40
17	Nonaqueous ionic liquid microemulsions of 1-butyl-3-methylimidazolium tetrafluoroborate, toluene and ethanol. <i>Soft Matter</i> , 2013, 9, 6497.	1.2	39
18	NiFe-coordinated zeolitic imidazolate framework derived trifunctional electrocatalyst for overall water-splitting and zinc-air batteries. <i>Journal of Colloid and Interface Science</i> , 2020, 579, 1-11.	5.0	39

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19	3D hierarchical porous nitrogen-doped carbon/Ni@NiO nanocomposites self-templated by cross-linked polyacrylamide gel for high performance supercapacitor electrode. <i>Journal of Colloid and Interface Science</i> , 2020, 570, 286-299.	5.0	36
20	Facile synthesis of indium hydroxide nanosheet/bismuth molybdate hierarchical microsphere heterojunction with enhanced photocatalytic performance. <i>Journal of Colloid and Interface Science</i> , 2019, 545, 301-310.	5.0	33
21	Mechanochemical Synthesis of Nitrogen-Deficient Mesopore-Rich Polymeric Carbon Nitride with Highly Enhanced Photocatalytic Performance. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 18606-18615.	3.2	33
22	Synthesis of Mg ₂ Al-Cl layered double hydroxide nanosheets in a surfactant-free reverse microemulsion. <i>Colloid and Polymer Science</i> , 2013, 291, 2515-2521.	1.0	32
23	Synthesis of belt-like bismuth-rich bismuth oxybromide hierarchical nanostructures with high photocatalytic activities. <i>Journal of Colloid and Interface Science</i> , 2019, 534, 301-311.	5.0	32
24	In situ growth of ultrathin NiFe layered double hydroxide nanosheets on reduced oxide graphene as an enhanced oxygen evolution electrocatalyst. <i>Journal of Colloid and Interface Science</i> , 2019, 552, 671-677.	5.0	30
25	Construction of direct all-solid-state Z-scheme p-n copper indium disulfide/tungsten oxide heterojunction photocatalysts: Function of interfacial electric field. <i>Journal of Colloid and Interface Science</i> , 2019, 555, 72-81.	5.0	29
26	Facile synthesis of camptothecin intercalated layered double hydroxide nanohybrids via a coassembly route. <i>International Journal of Pharmaceutics</i> , 2013, 454, 453-461.	2.6	28
27	Ionic liquid microemulsions of 1-butyl-3-methylimidazolium hexafluorophosphate, N,N-dimethylformamide, and water. <i>RSC Advances</i> , 2013, 3, 21494.	1.7	27
28	Band structure engineering of polymeric carbon nitride with oxygen/carbon codoping for efficient charge separation and photocatalytic performance. <i>Journal of Colloid and Interface Science</i> , 2020, 564, 333-343.	5.0	26
29	The pivotal role of defects in fabrication of polymeric carbon nitride homojunctions with enhanced photocatalytic hydrogen evolution. <i>Journal of Colloid and Interface Science</i> , 2021, 586, 748-757.	5.0	25
30	Preparation and photovoltaic properties of CdS quantum dot-sensitized solar cell based on zinc tin mixed metal oxides. <i>Journal of Colloid and Interface Science</i> , 2017, 498, 223-228.	5.0	24
31	Synthesis of hollow spherical silica with MCM-41 mesoporous structure. <i>Colloid and Polymer Science</i> , 2004, 282, 1286-1291.	1.0	23
32	Spontaneous vesicle formation and vesicle-to-micelle transition of sodium 2-ketooctanate in water. <i>Journal of Colloid and Interface Science</i> , 2018, 509, 265-274.	5.0	23
33	Correlations of surface free energy and solubility parameters for solid substances. <i>Journal of Colloid and Interface Science</i> , 2019, 544, 8-13.	5.0	23
34	Specific Ion Effects on the Colloidal Stability of Layered Double Hydroxide Single-layer Nanosheets. <i>Langmuir</i> , 2020, 36, 6557-6568.	1.6	23
35	PEO-PPO-PEO induced holey NiFe-LDH nanosheets on Ni foam for efficient overall water-splitting and urea electrolysis. <i>Journal of Colloid and Interface Science</i> , 2022, 618, 141-148.	5.0	21
36	Effect of Pentanol on Morphologies and Pore Structure of Mesoporous Silica. <i>Langmuir</i> , 2003, 19, 4269-4271.	1.6	20

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37	Thickness-determined photocatalytic performance of bismuth tungstate nanosheets. RSC Advances, 2016, 6, 31744-31750.	1.7	20
38	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
39	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
40	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
41	Sorbent effect on the sorption of Cr(VI) on a Mg ₆ AlFe-layered double hydroxide and its calcined product in aqueous solutions. Colloid and Polymer Science, 2015, 293, 1961-1969.	1.0	19
42	Vesicles of 2-ketooctanoic acid in water. Soft Matter, 2017, 13, 2246-2252.	1.2	19
43	Interaction between xanthan gum and cationic cellulose JR400 in aqueous solution. Carbohydrate Polymers, 2012, 89, 24-30.	5.1	18
44	Controlled release of Avermectin from Organically Modified Hydroxide-like Compound Nanohybrids. Chinese Journal of Chemistry, 2009, 27, 445-451.	2.6	17
45	Understanding Li-Al-CO ₃ layered double hydroxides. (I) Urea-supported hydrothermal synthesis. Journal of Colloid and Interface Science, 2019, 547, 183-189.	5.0	17
46	Surfactant-Free Microemulsions of 1-Butyl-3-methylimidazolium Hexafluorophosphate, Diethylammonium Formate, and Water. Langmuir, 2018, 34, 7776-7783.	1.6	16
47	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
48	Molecular dynamics simulation of sodium dodecylsulfate (SDS) bilayers. Journal of Colloid and Interface Science, 2017, 506, 227-235.	5.0	15
49	A surfactant-free microemulsion composed of isopentyl acetate, <i>n</i> -propanol, and water. RSC Advances, 2018, 8, 1371-1377.	1.7	14
50	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
51	Surfactant-free microemulsions of 1-butyl-3-methylimidazolium hexafluorophosphate, propylamine nitrate, and water. Soft Matter, 2017, 13, 2067-2074.	1.2	13
52	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
53	Fabrication of pore-rich nitrogen-doped graphene aerogel. RSC Advances, 2016, 6, 23012-23015.	1.7	12
54	Synthesis and Characterization of Imidacloprid/Hydroxide-like Compound Nanohybrids. Chinese Journal of Chemistry, 2009, 27, 1879-1885.	2.6	11

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55	Removal of Cu(II) from CuSO ₄ Aqueous Solution by Mg-Al Hydrotalcite-like Compounds. Chinese Journal of Chemistry, 2011, 29, 847-852.	2.6	10
56	Mesoporous nanocrystalline zirconium oxide: novel preparation and photoluminescence property. Journal of Porous Materials, 2011, 18, 57-67.	1.3	9
57	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
58	Microviscosity, encapsulation, and permeability of 2-ketooctanoic acid vesicle membranes. Soft Matter, 2017, 13, 3514-3520.	1.2	9
59	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
60	Influence of Electrolytes on the Thixotropy of Ferric Aluminum Magnesium Hydroxide-Montmorillonite Suspensions. Journal of Dispersion Science and Technology, 2003, 24, 145-152.	1.3	8
61	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
62	Understanding Li-Al-CO ₃ layered double hydroxides. (II) Interface electrochemical properties. Journal of Colloid and Interface Science, 2019, 547, 217-223.	5.0	8
63	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
64	Predicting Points of Zero Net Charge of Layered Double Hydroxides. Langmuir, 2018, 34, 12619-12624.	1.6	7
65	Sb-doped polymeric carbon nitride with charge-capture centers for efficient charge separation and photocatalytic performance in H ₂ evolution and environmental remediation. Catalysis Science and Technology, 2019, 9, 6627-6637.	2.1	7
66	Vesicle formation of single-chain amphiphilic 4-dodecylbenzene sulfonic acid in water and micelle-to-vesicle transition induced by wet-dry cycles. Soft Matter, 2021, 17, 2490-2499.	1.2	7
67	Studies on Dynamic Surface Tension of an Outstanding Microemulsifier in Supercritical CO ₂ and Its Wetting Performance. Journal of Dispersion Science and Technology, 2005, 26, 745-751.	1.3	6
68	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
69	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
70	Formation of simple single-tailed vesicles mediated by lipophilic solid surfaces. Soft Matter, 2016, 12, 8574-8580.	1.2	6
71	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
72	Thermally Stable Nanoporous Nanocrystalline TiO ₂ with 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

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73	Assembly of gold nanoparticles on like-charge graphene oxide for fast release of hydrophobic molecules. <i>RSC Advances</i> , 2014, 4, 5834.	1.7	5
74	Adsorption of benzyltrimethylammonium bromide on silica nanoparticles in water. <i>Colloid and Polymer Science</i> , 2018, 296, 341-353.	1.0	5
75	Adsorption of Cetylpyridinium Chloride at Silica Nanoparticle/Water Interfaces (I): Dependence of Adsorption Equilibrium on Particle Size. <i>Langmuir</i> , 2021, 37, 7966-7974.	1.6	5
76	Solvothermal synthesis of carbonate-type layered double hydroxide monolayer nanosheets: Solvent selection based on characteristic parameter matching criterion. <i>Journal of Colloid and Interface Science</i> , 2021, 587, 324-333.	5.0	4
77	Analysis of Adsorbed Layers of Benzyltrimethylammonium Bromide on Silica Particles in Water Using the Sorbent Mass Variation Method. <i>Langmuir</i> , 2018, 34, 12802-12808.	1.6	3
78	An aqueous two-phase system formed in single-component solution of β -keto-octanoic acid. <i>RSC Advances</i> , 2021, 11, 34245-34249.	1.7	3
79	Dendritic amphiphiles of carbosilane dendrimers with peripheral PEG for drug encapsulation. <i>Journal of Polymer Research</i> , 2013, 20, 1.	1.2	2
80	Spontaneous vesicle formation and vesicle-to-gel transition in aqueous mixtures of sodium monododecylphosphate and guanidinium salts. <i>Soft Matter</i> , 2021, 17, 4604-4614.	1.2	2
81	Sodium Monododecylphosphate Vesicles Formed in Alcohol/Water Mixtures. <i>ChemNanoMat</i> , 2021, 7, 553-560.	1.5	2
82	Vesicle formation of single-tailed amphiphilic alkyltrimethylammonium bromides in water induced by dehydration-rehydration. <i>Soft Matter</i> , 2022, 18, 2072-2081.	1.2	2
83	Effect of Electrolytes and Polymers on the Thixotropy of Mg-Al Layered Double Hydroxides/Kaolinite Dispersions. <i>Chinese Journal of Chemistry</i> , 2011, 29, 2027-2033.	2.6	1
84	Synthesis and aggregation behavior of amphiphilic nanostructures composed of carbosilane dendrimer with peripheral poly(ethylene glycol) moieties. <i>Polymer International</i> , 2014, 63, 1875-1880.	1.6	1
85	Fabrication of Layered Double Hydroxide/Silica Foam Nanocomposites and Their Application for Removing Pb(II) and Cr(VI) from Aqueous Solutions. <i>ChemistrySelect</i> , 2019, 4, 6971-6977.	0.7	1
86	A Model for the Structure of Adsorbed Layers at Solid/Liquid Interfaces. <i>Langmuir</i> , 2022, , .	1.6	1
87	Removal of Cu(II) by Mg-Al-OH LDHs/birch leaves composites prepared by ball-milling hydrothermal method and mechanism insight. <i>Water Science and Technology: Water Supply</i> , 0, , .	1.0	0