Hui-min Wen

List of Publications by Year
in descending order

62 papers	5,486 citations	117625 34 h-index	128289 60 g-index
64 all docs	64 docs citations	64 times ranked	6088 citing authors

#	Article	IF	Citations
1	Hollow FeNi/NiFe₂O₄-Codoped Carbon Composite Nanorods for Electromagnetic Wave Absorption. ACS Applied Nano Materials, 2022, 5, 3406-3414.	5.0	19
2	Metal Nanoclusterâ€"Metal Organic Frameworkâ€"Polymer Hybrid Nanomaterials for Improved Hydrogen Detection. Small, 2022, 18, e2200634.	10.0	19
3	NiCo@NPC@CF nanocomposites derived from NiCo-MOF/cotton for high-performance electromagnetic wave absorption. Journal of Materials Chemistry C, 2022, 10, 8310-8320.	5.5	16
4	Hydrogen Bubble-Directed Tubular Structure: A Novel Mechanism to Facilely Synthesize Nanotube Arrays with Controllable Wall Thickness. ACS Applied Materials & Interfaces, 2021, 13, 5418-5424.	8.0	6
5	A novel anion-pillared metalâ€"organic framework for highly efficient separation of acetylene from ethylene and carbon dioxide. Journal of Materials Chemistry A, 2021, 9, 9248-9255.	10.3	55
6	Chemically Stable Hafnium-Based Metalâ€"Organic Framework for Highly Efficient C₂H₆/C₂H₄ Separation under Humid Conditions. ACS Applied Materials & Interfaces, 2021, 13, 18792-18799.	8.0	34
7	Compact Magnetoâ€Fluorescent Colloids by Hierarchical Assembly of Dualâ€Components in Radial Channels for Sensitive Pointâ€ofâ€Care Immunoassay. Small, 2021, 17, e2100862.	10.0	34
8	A Microporous Titanateâ€Based Metalâ€Organic Framework for Efficient Separation of Acetylene from Carbon Dioxide. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2021, 647, 1250-1253.	1.2	12
9	Dense Packing of Acetylene in a Stable and Lowâ€Cost Metalâ€"Organic Framework for Efficient C₂H₂/CO₂Separation. Angewandte Chemie - International Edition, 2021, 60, 25068-25074.	13.8	116
10	Bimetalâ€"organic frameworks derived tuneable Co nanoparticles embedded in porous nitrogen-doped carbon nanorods as high-performance electromagnetic wave absorption materials. Journal of Materials Chemistry C, 2021, 9, 7302-7309.	5.5	12
11	Selective Ethane/Ethylene Separation in a Robust Microporous Hydrogen-Bonded Organic Framework. Journal of the American Chemical Society, 2020, 142, 633-640.	13.7	183
12	A novel expanded metalâ€"organic framework for balancing volumetric and gravimetric methane storage working capacities. Chemical Communications, 2020, 56, 13117-13120.	4.1	9
13	An europium functionalized carbon dot-based fluorescence test paper for visual and quantitative point-of-care testing of anthrax biomarker. Talanta, 2020, 220, 121377.	5.5	49
14	Hierarchical Plasmonic-Fluorescent Labels for Highly Sensitive Lateral Flow Immunoassay with Flexible Dual-Modal Switching. ACS Applied Materials & Interfaces, 2020, 12, 58149-58160.	8.0	44
15	A Chemically Stable Hofmannâ€Type Metalâ^'Organic Framework with Sandwichâ€Like Binding Sites for Benchmark Acetylene Capture. Advanced Materials, 2020, 32, e1908275.	21.0	236
16	Current Status of Microporous Metalâ€"Organic Frameworks for Hydrocarbon Separations. Topics in Current Chemistry, 2019, 377, 33.	5.8	31
17	Reversing C₂H₂â€"CO₂ adsorption selectivity in an ultramicroporous metalâ€"organic framework platform. Chemical Communications, 2019, 55, 11354-11357.	4.1	46
18	A metalâ€"organic framework with suitable pore size and dual functionalities for highly efficient post-combustion CO₂ capture. Journal of Materials Chemistry A, 2019, 7, 3128-3134.	10.3	124

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19	Ratiometric fluorometric and visual determination of cyanide based on the use of carbon dots and gold nanoclusters. Mikrochimica Acta, 2019, 186, 809.	5.0	20
20	Simultaneous Enhancement of Near-Infrared Emission and Dye Photodegradation in a Racemic Aspartic Acid Compound via Metal-Ion Modification. ACS Omega, 2019, 4, 19136-19144.	3.5	0
21	A Metalâ€“Organic Framework with Optimized Porosity and Functional Sites for High Gravimetric and Volumetric Methane Storage Working Capacities. Advanced Materials, 2018, 30, e1704792.	21.0	109
22	Fine-tuning of nano-traps in a stable metalâ€“organic framework for highly efficient removal of propyne from propylene. Journal of Materials Chemistry A, 2018, 6, 6931-6937.	10.3	74
23	A Metalâ€“Organic Framework with Suitable Pore Size and Specific Functional Sites for the Removal of Trace Propyne from Propylene. Angewandte Chemie - International Edition, 2018, 57, 15183-15188.	13.8	124
24	A Metalâ€“Organic Framework with Suitable Pore Size and Specific Functional Sites for the Removal of Trace Propyne from Propylene. Angewandte Chemie, 2018, 130, 15403-15408.	2.0	98
25	One-pot synthesis of highly luminescent N-acetyl-<scp>l</scp>-cysteine-capped CdTe quantum dots and their size effect on the detection of glutathione. New Journal of Chemistry, 2018, 42, 15743-15749.	2.8	10
26	Highly Enhanced Gas Uptake and Selectivity via Incorporating Methoxy Groups into a Microporous Metalâ€“Organic Framework. Crystal Growth and Design, 2017, 17, 2172-2177.	3.0	26
27	An Ideal Molecular Sieve for Acetylene Removal from Ethylene with Record Selectivity and Productivity. Advanced Materials, 2017, 29, 1704210.	21.0	310
28	Syntheses, characterization and electrochemical and spectroscopic properties of rutheniumâ€“iron complexes of 2,3,5,6-tetrakis(2-pyridyl)pyrazine and ferrocene-acetylide ligands. Dalton Transactions, 2016, 45, 10620-10629.	3.3	12
29	A Fluorinated Metalâ€“Organic Framework for High Methane Storage at Room Temperature. Crystal Growth and Design, 2016, 16, 3395-3399.	3.0	36
30	A Microporous Metalâ€“Organic Framework with Lewis Basic Nitrogen Sites for High C₂H₂ Storage and Significantly Enhanced C₂H₂/CO₂ Separation at Ambient Conditions. Inorganic Chemistry, 2016, 55, 7214-7218.	4.0	124
31	Emerging Multifunctional Metalâ€“Organic Framework Materials. Advanced Materials, 2016, 28, 8819-8860.	21.0	1,227
32	Porous Metal-Organic Frameworks: Promising Materials for Methane Storage. CheM, 2016, 1, 557-580.	11.7	297
33	Unexpected currentâ€“voltage characteristics of mechanically modulated atomic contacts with the presence of molecular junctions in an electrochemically assistedâ€“MCBJ. Nano Research, 2016, 9, 560-570.	10.4	32
34	Solution-processed OLEDs based on phosphorescent PtAu₂ complexes with phenothiazine-functionalized acetylides. Journal of Materials Chemistry C, 2016, 4, 6096-6103.	5.5	39
35	High acetylene/ethylene separation in a microporous zinc(<scp>ii</scp>) metalâ€“organic framework with low binding energy. Chemical Communications, 2016, 52, 1166-1169.	4.1	67
36	A microporous metalâ€“organic framework with rare lvt topology for highly selective C₂H₂/C₂H₄ separation at room temperature. Chemical Communications, 2015, 51, 5610-5613.	4.1	61

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37	Porous metalâ€“organic frameworks with Lewis basic nitrogen sites for high-capacity methane storage. Energy and Environmental Science, 2015, 8, 2504-2511.	30.8	126
38	Multifunctional lanthanide coordination polymers. Progress in Polymer Science, 2015, 48, 40-84.	24.7	176
39	Multistate and Multicolor Photochromism through Selective Cycloreversion in Asymmetric Platinum(II) Complexes with Two Different Dithienyletheneâ€“Acetylides. Inorganic Chemistry, 2015, 54, 11511-11519.	4.0	24
40	Hydrogen photogeneration catalyzed by a cobalt complex of a pentadentate aminopyridine-based ligand. New Journal of Chemistry, 2015, 39, 1734-1741.	2.8	16
41	Photocatalytic hydrogen evolution by two comparable [FeFe]â€hydrogenase mimics assembled to the surface of ZnS. Applied Organometallic Chemistry, 2014, 28, 267-273.	3.5	25
42	Heptacarbonylbis(Î¼-propane-1,3-dithiolato)triiron(I,II)(2Feâ€”Fe). Acta Crystallographica Section E: Structure Reports Online, 2014, 70, m124-m124.	0.2	2
43	Pyridyl- and pyrimidyl-phosphine-substituted [FeFe]-hydrogenase mimics: Synthesis, charaterization and properties. Journal of Organometallic Chemistry, 2014, 767, 46-53.	1.8	19
44	Efficient photocatalytic hydrogen evolution with end-group-functionalized cobaloxime catalysts in combination with graphite-like C₃N₄. RSC Advances, 2014, 4, 18853-18861.	3.6	42
45	Electro- and photocatalytic hydrogen evolution by a cobalt complex based on a tripodal iminopyridine ligand. Polyhedron, 2014, 81, 639-645.	2.2	7
46	A porous metalâ€“organic framework with an elongated anthracene derivative exhibiting a high working capacity for the storage of methane. Journal of Materials Chemistry A, 2014, 2, 11516.	10.3	40
47	Porous Metalâ€“Organic Frameworks for Gas Storage and Separation: What, How, and Why?. Journal of Physical Chemistry Letters, 2014, 5, 3468-3479.	4.6	505
48	A Porous Metalâ€“Organic Framework with Dynamic Pyrimidine Groups Exhibiting Record High Methane Storage Working Capacity. Journal of the American Chemical Society, 2014, 136, 6207-6210.	13.7	311
49	Electrochemical, Spectroscopic, and Theoretical Studies on Diethynyl Ligand Bridged Ruthenium Complexes with 1,3-Bis(2-pyridylimino)isoindolate. Organometallics, 2014, 33, 4738-4746.	2.3	36
50	Modulating Stepwise Photochromism in Platinum(II) Complexes with Dual Dithienyletheneâ€“Acetylides by a Progressive Red Shift of Ring-Closure Absorption. Inorganic Chemistry, 2013, 52, 12511-12520.	4.0	24
51	Multistate Photochromism in a Ruthenium Complex with Dithienyletheneâ€“Acetylide. Organometallics, 2013, 32, 1759-1765.	2.3	20
52	Efficient photo-driven hydrogen evolution by binuclear nickel catalysts of different coordination in noble-metal-free systems. Dalton Transactions, 2013, 42, 8684.	3.3	40
53	Electrical conductance study on 1,3-butadiyne-linked dinuclear ruthenium(ii) complexes within single molecule break junctions. Chemical Science, 2013, 4, 2471.	7.4	81
54	Redox-Modulated Stepwise Photochromism in a Ruthenium Complex with Dual Dithienylethene-Acetylides. Journal of the American Chemical Society, 2012, 134, 16059-16067.	13.7	85

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55	Gold(I)-Coordination Triggered Multistep and Multiple Photochromic Reactions in Multi-Dithienylethene (DTE) Systems. Inorganic Chemistry, 2012, 51, 1933-1942.	4.0	43
56	Efficient [FeFe] hydrogenase mimic dyads covalently linking to iridium photosensitizer for photocatalytic hydrogen evolution. Dalton Transactions, 2012, 41, 13899.	3.3	41
57	Photoswitchable electrochemical behaviour of a [FeFe] hydrogenase model with a dithienylethene derivative. Dalton Transactions, 2012, 41, 11813.	3.3	6
58	Luminescent square-planar platinum(ii) complexes with tridentate 3-bis(2-pyridylimino)isoindoline and monodentate N-heterocyclic ligands. Dalton Transactions, 2011, 40, 6929.	3.3	21
59	Efficient Synthetic Approaches To Access Ruthenium(II) Complexes with 2-(Trimethylsilyl)ethyl- or Acetyl-Protected Terpyridine-Thiols. European Journal of Inorganic Chemistry, 2011, 2011, 1784-1791.	2.0	8
60	Synthesis, structures and electrochemistry studies of 2Fe2Sâ€“Fe(ii)(Sâ€“2N)2 models for H-cluster of [FeFe]-hydrogenase. Dalton Transactions, 2010, 39, 9484.	3.3	4
61	Spectroscopic and Luminescence Studies on Square-Planar Platinum(II) Complexes with Anionic Tridentate 3-Bis(2-pyridylimino)isoindoline Derivatives. Inorganic Chemistry, 2010, 49, 2210-2221.	4.0	59
62	Dense Packing of Acetylene in a Stable and Lowâ€Cost Metalâ€“Organic Framework for Efficient C2H2/CO2 Separation. Angewandte Chemie, 0, , .	2.0	14