

Wei-Lin Dai

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/9497707/wei-lin-dai-publications-by-year.pdf>

Version: 2024-04-23

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

136
papers

5,509
citations

44
h-index

68
g-index

141
ext. papers

6,327
ext. citations

7.7
avg, IF

5.88
L-index

#	Paper	IF	Citations
136	Highly efficient noble-metal-free NiS/rGO/Cd _{0.3} Zn _{0.7} S nanorods in visible-light-driven H ₂ evolution with enhanced surface photoinduced charge transfer. <i>Applied Surface Science</i> , 2022 , 574, 151553	6.7	5
135	Facile and robust construction of a 3D-hierarchical NaNbO ₃ -nanorod/ZnIn ₂ S ₄ heterojunction towards ultra-high photocatalytic H ₂ production. <i>Catalysis Science and Technology</i> , 2022 , 12, 2346-2359	5.5	2
134	Embedding indium nitride at the interface of indium-oxide/indium-zinc-sulfide heterostructure with enhanced interfacial charge transfer for high photocatalytic hydrogen evolution.. <i>Journal of Colloid and Interface Science</i> , 2022 , 622, 539-548	9.3	0
133	Facile one-step hydrothermal synthesis of single-crystalline SnNbO nanosheets with greatly extended visible-light response for enhanced photocatalytic performance and mechanism insight. <i>Nanotechnology</i> , 2021 , 32, 065705	3.4	4
132	Au Nanoparticles Embedded in Carbon Self-Doping g-C ₃ N ₄ : Facile Photodeposition Method for Superior Photocatalytic H ₂ Evolution. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 10964-10973	3.8	6
131	Hierarchical fabrication of hollow CoP nanocages coated with ZnInS thin layer: Highly efficient noble-metal-free photocatalyst for hydrogen evolution. <i>Journal of Colloid and Interface Science</i> , 2021 , 590, 632-640	9.3	14
130	In ^{III} Sites Boosting Interfacial Charge Transfer in Carbon-Coated Hollow Tubular In ₂ O ₃ /ZnIn ₂ S ₄ Heterostructure Derived from In-MOF for Enhanced Photocatalytic Hydrogen Evolution. <i>ACS Catalysis</i> , 2021 , 11, 6276-6289	13.1	24
129	Facile construction of highly efficient MOF-based Pd@UiO-66-NH ₂ @ZnIn ₂ S ₄ flower-like nanocomposites for visible-light-driven photocatalytic hydrogen production. <i>Journal of Materials Science and Technology</i> , 2021 , 76, 189-199	9.1	15
128	TiN Bridged All-Solid Z-Scheme CNNS/TiN/TiO ₂ Heterojunction by a Facile In Situ Reduction Strategy for Enhanced Photocatalytic Hydrogen Evolution. <i>Advanced Materials Interfaces</i> , 2021 , 8, 2100646	4.6	0
127	Robust hollow tubular ZnIn ₂ S ₄ modified with embedded metal-organic-framework-layers: Extraordinarily high photocatalytic hydrogen evolution activity under simulated and real sunlight irradiation. <i>Applied Catalysis B: Environmental</i> , 2021 , 298, 120632	21.8	14
126	Superior sponge-like carbon self-doping graphitic carbon nitride nanosheets derived from supramolecular pre-assembly of a melamine-cyanuric acid complex for photocatalytic H evolution. <i>Nanotechnology</i> , 2021 , 32, 155604	3.4	5
125	Highly efficient Ag-modified copper phyllosilicate nanotube: Preparation by co-ammonia evaporation hydrothermal method and application in the selective hydrogenation of carbonate. <i>Journal of Materials Science and Technology</i> , 2020 , 47, 29-37	9.1	6
124	Embedding Pt nanoparticles at the interface of CdS/NaNbO ₃ nanorods heterojunction with bridge design for superior Z-Scheme photocatalytic hydrogen evolution. <i>Applied Catalysis B: Environmental</i> , 2020 , 278, 119290	21.8	36
123	Electroless-hydrothermal construction of nickel bridged nickel sulfide@mesoporous carbon nitride hybrids for highly efficient noble metal-free photocatalytic H ₂ production. <i>Journal of Materials Science and Technology</i> , 2020 , 45, 176-186	9.1	12
122	Highly efficient single-crystalline NaNb _{1-x} Ta _x O ₃ (X = 0.125) wires: The synergistic effect of tantalum-doping and morphology on photocatalytic hydrogen evolution. <i>Journal of Materials Science and Technology</i> , 2020 , 54, 20-30	9.1	7
121	Facile construction of flower-like black phosphorus nanosheet@ZnIn ₂ S ₄ composite with highly efficient catalytic performance in hydrogen production. <i>Applied Surface Science</i> , 2020 , 504, 144366	6.7	18
120	Facile synthesis of ultra-small Ag decorated g-C ₃ N ₄ photocatalyst via strong interaction between Ag ⁺ and cyano group in monocyanamide. <i>Applied Surface Science</i> , 2020 , 503, 143891	6.7	13

119	Black phosphorus quantum dots facilitate carrier separation for enhancing hydrogen production over hierarchical Cu ₇ S ₄ /ZnIn ₂ S ₄ composites. <i>Catalysis Science and Technology</i> , 2020 , 10, 1030-1039	5.5	13
118	Construction of Highly Efficient 3D/2D MnO ₂ /g-C ₃ N ₄ Nanocomposite in the Epoxidation of Styrene with TBHP. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 17008-17019	8.3	13
117	Facile synthesis of highly efficient Pt/N-rGO/N-NaNbO ₃ nanorods toward photocatalytic hydrogen production. <i>Applied Catalysis B: Environmental</i> , 2019 , 257, 117901	21.8	35
116	Introduction of in-plane E-conjugated heterojunction via rGO modulation: A promising approach to enhance photoexcited charge separation and transfer of g-C ₃ N ₄ . <i>Applied Surface Science</i> , 2019 , 489, 658-667	6.7	13
115	Recent Advances in the Aspects of Architectural Photocatalysts and its Application. <i>Current Organocatalysis</i> , 2019 , 6, 3-19	1.2	1
114	Facile oxalic acid-assisted construction of laminated porous N-deficient graphitic carbon nitride: Highly efficient visible-light-driven hydrogen evolution photocatalyst. <i>Journal of Energy Chemistry</i> , 2019 , 33, 1-8	12	19
113	Manganese-doped CeO ₂ nanocubes as highly efficient catalysts for styrene epoxidation with TBHP. <i>Applied Surface Science</i> , 2019 , 471, 767-775	6.7	27
112	Facile construction of phosphate incorporated graphitic carbon nitride with mesoporous structure and superior performance for H ₂ production. <i>International Journal of Hydrogen Energy</i> , 2018 , 43, 5591-5602	6.7	21
111	Imidazole modified g-C ₃ N ₄ photocatalyst: Structural characterization and versatile energy applications. <i>Applied Surface Science</i> , 2018 , 430, 316-324	6.7	17
110	Nitrogen vacancy engineered graphitic C ₃ N ₄ -based polymers for photocatalytic oxidation of aromatic alcohols to aldehydes. <i>Applied Catalysis B: Environmental</i> , 2018 , 221, 626-634	21.8	179
109	Insight into the Synergism between Copper Species and Surface Defects Influenced by Copper Content over Copper/Ceria Catalysts for the Hydrogenation of Carbonate. <i>ChemCatChem</i> , 2018 , 10, 619-624	5.2	15
108	Insights into the Relationship of the Heterojunction Structure and Excellent Activity: Photo-Oxidative Coupling of Benzylamine on CeO ₂ -rod/g-C ₃ N ₄ Hybrid under Mild Reaction Conditions. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 10526-10535	8.3	38
107	Activation of Kagome lattice-structured CuVO(OH)·2H ₂ O volborthite via hydrothermal crystallization for boosting visible light-driven water oxidation. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 24561-24569	3.6	4
106	In Situ Growth of g-C ₃ N ₄ on Hexangular Flowerlike FeWO ₄ Microcrystals: Highly Efficient Catalyst and the Crucial Roles of Fe ³⁺ /Fe ²⁺ Couple in the Photoassisted Oxidation and Reduction Reactions. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 12900-12912	3.8	23
105	Graphite carbon nitride nanosheets decorated with ZIF-8 nanoparticles: Effects of the preparation method and their special hybrid structures on the photocatalytic performance. <i>Journal of Alloys and Compounds</i> , 2018 , 762, 98-108	5.7	30
104	Thermal oxidative etching method derived graphitic C ₃ N ₄ : highly efficient metal-free catalyst in the selective epoxidation of styrene. <i>RSC Advances</i> , 2017 , 7, 5340-5348	3.7	19
103	Intercorrelated Ag ₃ PO ₄ nanoparticles decorated with graphitic carbon nitride: Enhanced stability and photocatalytic activities for water treatment. <i>Applied Surface Science</i> , 2017 , 403, 177-186	6.7	30
102	Structure Engineered g-C ₃ N ₄ Nano-Sheets by Switching the Pyrolysis Gas Atmosphere for Enhanced Photo-Catalytic Degradation. <i>Chinese Journal of Chemistry</i> , 2017 , 35, 173-182	4.9	13

101	Morphology and crystal-plane effects of Zr-doped CeO ₂ nanocrystals on the epoxidation of styrene with tert-butylhydroperoxide as the oxidant. <i>Journal of Energy Chemistry</i> , 2017 , 26, 681-687	12	18
100	Highly efficient Pt/NaNbO ₃ nanowire photocatalyst: Its morphology effect and application in water purification and H ₂ production. <i>Applied Catalysis B: Environmental</i> , 2017 , 205, 505-513	21.8	49
99	Facile Fabrication and Mechanism of Single-Crystal Sodium Niobate Photocatalyst: Insight into the Structure Features Influence on Photocatalytic Performance for H ₂ Evolution. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 25898-25907	3.8	22
98	Synergistic effects of electronic structure of WO ₃ nanorods with the dominant {001} exposed facets combined with silver size-dependent on the visible-light photocatalytic activity. <i>Applied Catalysis B: Environmental</i> , 2017 , 203, 335-342	21.8	52
97	Support morphology and crystal plane effect of Cu/CeO ₂ nanomaterial on the physicochemical and catalytic properties for carbonate hydrogenation. <i>Catalysis Science and Technology</i> , 2016 , 6, 7752-7762	5.5	44
96	Continuous heterogeneous hydrogenation of CO ₂ -derived dimethyl carbonate to methanol over a Cu-based catalyst. <i>RSC Advances</i> , 2016 , 6, 69530-69539	3.7	9
95	Selective Deposition of Silver Nanoparticles onto WO ₃ Nanorods with Different Facets: The Correlation of Facet-Induced Electron Transport Preference and Photocatalytic Activity. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 4345-4353	3.8	45
94	Role of copper content and calcination temperature in the structural evolution and catalytic performance of Cu/P25 catalysts in the selective hydrogenation of dimethyl oxalate. <i>Applied Catalysis A: General</i> , 2016 , 509, 66-74	5.1	13
93	Investigation of Activated-Carbon-Supported Copper Catalysts with Unique Catalytic Performance in the Hydrogenation of Dimethyl Oxalate to Methyl Glycolate. <i>ChemCatChem</i> , 2016 , 8, 527-531	5.2	26
92	Phosphotungstic acid encapsulated in metal-organic framework UiO-66: An effective catalyst for the selective oxidation of cyclopentene to glutaraldehyde. <i>Microporous and Mesoporous Materials</i> , 2015 , 211, 73-81	5.3	52
91	Zr-doped CeO ₂ nanorods as versatile catalyst in the epoxidation of styrene with tert-butyl hydroperoxide as the oxidant. <i>Applied Catalysis A: General</i> , 2015 , 503, 117-123	5.1	55
90	Continuous synthesis of methanol: heterogeneous hydrogenation of ethylene carbonate over Cu/HMS catalysts in a fixed bed reactor system. <i>Chemical Communications</i> , 2015 , 51, 13776-8	5.8	34
89	Ag ₃ PO ₄ nanoparticles loaded on 3D flower-like spherical MoS ₂ : a highly efficient hierarchical heterojunction photocatalyst. <i>Dalton Transactions</i> , 2015 , 44, 14625-34	4.3	72
88	Unprecedented enhancement in visible-light-driven photoactivity of modified graphitic C ₃ N ₄ by coupling with H ₂ WO ₄ . <i>Journal of Environmental Chemical Engineering</i> , 2015 , 3, 1072-1080	6.8	15
87	Remarkable enhancement in visible-light absorption and electron transfer of carbon nitride nanosheets with 1% tungstate dopant. <i>Applied Catalysis B: Environmental</i> , 2015 , 176-177, 91-98	21.8	12
86	CeO ₂ nanorod/g-C ₃ N ₄ /N-rGO composite: enhanced visible-light-driven photocatalytic performance and the role of N-rGO as electronic transfer media. <i>Dalton Transactions</i> , 2015 , 44, 11223-34	4.3	86
85	Remarkable crystal phase effect of Cu/TiO ₂ catalysts on the selective hydrogenation of dimethyl oxalate. <i>RSC Advances</i> , 2015 , 5, 29040-29047	3.7	11
84	Carbon nitride nanosheets decorated with WO ₃ nanorods: Ultrasonic-assisted facile synthesis and catalytic application in the green manufacture of dialdehydes. <i>Applied Catalysis B: Environmental</i> , 2015 , 165, 511-518	21.8	95

83	A novel visible light-driven Ag ₃ PO ₄ /SBA-15 nanocomposite: Preparation and application in the photo-degradation of pollutants. <i>Applied Surface Science</i> , 2015 , 324, 212-220	6.7	26
82	Reaction temperature controlled selective hydrogenation of dimethyl oxalate to methyl glycolate and ethylene glycol over copper-hydroxyapatite catalysts. <i>Applied Catalysis B: Environmental</i> , 2015 , 162, 483-493	21.8	78
81	Enormous enhancement in photocatalytic performance of Ag ₃ PO ₄ /HAp composite: A Z-scheme mechanism insight. <i>Applied Catalysis B: Environmental</i> , 2015 , 179, 29-36	21.8	65
80	Highly selective one-pot continuous synthesis of 2-methoxyethanol via hydrogenation of dimethyl oxalate on Cu/ZrO ₂ catalysts with balanced acid sites. <i>RSC Advances</i> , 2014 , 4, 31162-31165	3.7	11
79	Recent advances in silver-based heterogeneous catalysts for green chemistry processes. <i>Applied Catalysis B: Environmental</i> , 2014 , 160-161, 730-741	21.8	108
78	Effect of calcination temperature of the support and the catalyst of WO ₃ /SnO ₂ on the catalytic oxidation of 1,2-benzenedimethanol by H ₂ O ₂ . <i>Applied Catalysis A: General</i> , 2014 , 482, 171-178	5.1	17
77	Synergistic effect on Au-Pd bimetallic catalyst during oxidation of benzyl alcohol to sodium benzoate. <i>Chinese Journal of Catalysis</i> , 2014 , 35, 1846-1853	11.3	8
76	Investigation of the structural evolution and catalytic performance of the CuZnAl catalysts in the hydrogenation of dimethyl oxalate to ethylene glycol. <i>Catalysis Today</i> , 2014 , 233, 117-126	5.3	27
75	Surface structural evolution of AuAg/TiO ₂ catalyst in the transformation of benzyl alcohol to sodium benzoate. <i>Applied Surface Science</i> , 2013 , 279, 391-399	6.7	3
74	Highly stable and efficient Ag/AgCl core-shell sphere: Controllable synthesis, characterization, and photocatalytic application. <i>Applied Catalysis B: Environmental</i> , 2013 , 130-131, 257-263	21.8	67
73	Solvent feedstock effect: the insights into the deactivation mechanism of Cu/SiO ₂ catalysts for hydrogenation of dimethyl oxalate to ethylene glycol. <i>Chemical Communications</i> , 2013 , 49, 5195-7	5.8	68
72	Remarkable Improvement of Catalytic Performance for a New Cobalt-Decorated Cu/HMS Catalyst in the Hydrogenation of Dimethyloxalate. <i>ChemCatChem</i> , 2013 , 5, 138-141	5.2	41
71	Highly efficient and stable Au/Mn ₂ O ₃ catalyst for oxidative cyclization of 1,4-butanediol to γ -butyrolactone. <i>Applied Catalysis A: General</i> , 2013 , 458, 63-70	5.1	17
70	Enhanced catalytic performance for SiO ₂ /TiO ₂ binary oxide supported Cu-based catalyst in the hydrogenation of dimethyloxalate. <i>Applied Catalysis A: General</i> , 2013 , 458, 82-89	5.1	72
69	A novel green process for the synthesis of glutaraldehyde by WS ₂ @HMS material with aqueous H ₂ O ₂ . <i>RSC Advances</i> , 2013 , 3, 1744-1747	3.7	8
68	Highly stable and efficient Ag/AgCl@TiO ₂ photocatalyst: preparation, characterization, and application in the treatment of aqueous hazardous pollutants. <i>Journal of Hazardous Materials</i> , 2012 , 211-212, 77-82	12.8	117
67	Novel magnetic-separable and efficient Au/Fe ₃ O ₄ composite for the lactonization of 1,4-butanediol to γ -butyrolactone. <i>RSC Advances</i> , 2012 , 2, 3801	3.7	5
66	Effect of the tungsten precursor on the high activity of the WO ₃ /ZrO ₂ catalyst in the oxidative lactonization of 1,2-benzenedimethanol. <i>Applied Catalysis A: General</i> , 2012 , 435-436, 141-147	5.1	9

65	A green process for the epoxidation of dicyclopentadiene with aqueous H ₂ O ₂ over highly efficient and stable HPW-NH ₂ -SBA-15. <i>RSC Advances</i> , 2012 , 2, 6087	3.7	16
64	Excellent catalytic performance of graphite oxide in the selective oxidation of glutaraldehyde by aqueous hydrogen peroxide. <i>RSC Advances</i> , 2012 , 2, 7135	3.7	21
63	Ag-AgCl/WO ₃ hollow sphere with flower-like structure and superior visible photocatalytic activity. <i>Applied Catalysis B: Environmental</i> , 2012 , 123-124, 193-199	21.8	83
62	Effect of initial precipitation temperature on the structural evolution and catalytic behavior of Cu/SiO ₂ catalyst in the hydrogenation of dimethyl oxalate. <i>Catalysis Communications</i> , 2011 , 12, 412-416	3.2	50
61	Influence of Ni species on the structural evolution of Cu/SiO ₂ catalyst for the chemoselective hydrogenation of dimethyl oxalate. <i>Journal of Catalysis</i> , 2011 , 280, 77-88	7.3	127
60	Ag/MCM-41 as a highly efficient mesostructured catalyst for the chemoselective synthesis of methyl glycolate and ethylene glycol. <i>Applied Catalysis B: Environmental</i> , 2011 , 108-109, 90-99	21.8	66
59	Highly active and green aminopropyl-immobilized phosphotungstic acid on mesocellular silica foam for the O-heterocyclization of cycloocta-1,5-diene with aqueous H ₂ O ₂ . <i>Green Chemistry</i> , 2011 , 13, 702	10	27
58	One-pot solvent-free synthesis of sodium benzoate from the oxidation of benzyl alcohol over novel efficient AuAg/TiO ₂ catalysts. <i>Green Chemistry</i> , 2011 , 13, 1644	10	27
57	Nanocasting of CuAu alloy nanoparticles for methyl glycolate synthesis. <i>Journal of Materials Chemistry</i> , 2011 , 21, 8997		32
56	Surface modification of HMS material with silica sol leading to a remarkable enhanced catalytic performance of Cu/SiO ₂ . <i>Applied Surface Science</i> , 2011 , 257, 5844-5849	6.7	29
55	The influence of B-doping on the catalytic performance of Cu/HMS catalyst for the hydrogenation of dimethyl oxalate. <i>Applied Catalysis A: General</i> , 2011 , 400, 39-47	5.1	51
54	Photodegradation of rhodamine B and 4-chlorophenol using plasmonic photocatalyst of Ag@AgI/Fe ₃ O ₄ @SiO ₂ magnetic nanoparticle under visible light irradiation. <i>Applied Catalysis B: Environmental</i> , 2011 , 101, 580-586	21.8	161
53	Influence of support surface basicity and gold particle size on catalytic activity of Au/AlOOH and Au/Al ₂ O ₃ catalyst in aerobic oxidation of diols to lactones. <i>Applied Catalysis B: Environmental</i> , 2011 , 103, 343-350	21.8	32
52	Effect of Si/Al Ratio of Mesoporous Support on the Structure Evolution and Catalytic Performance of the Cu/Al-HMS Catalyst. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 8523-8532	3.8	44
51	A green process for the oxidative lactonization of 1,2-benzenedimethanol by tungstic acid with aqueous H ₂ O ₂ . <i>Green Chemistry</i> , 2010 , 12, 205-208	10	15
50	Ion-Exchange Temperature Effect on Cu/HMS Catalysts for the Hydrogenation of Dimethyl Oxalate to Ethylene Glycol. <i>ChemCatChem</i> , 2010 , 2, 206-213	5.2	41
49	Influence of copper precursors on the structure evolution and catalytic performance of Cu/HMS catalysts in the hydrogenation of dimethyl oxalate to ethylene glycol. <i>Applied Catalysis A: General</i> , 2010 , 377, 128-133	5.1	42
48	Remarkable support crystal phase effect in Au/FeOx catalyzed oxidation of 1,4-butanediol to ϵ -butyrolactone. <i>Journal of Catalysis</i> , 2009 , 266, 228-235	7.3	55

47	Sodium Hydroxide/Sodium Oxalate-Assisted Co-Precipitation of Highly Active and Stable Cu/ZrO ₂ Catalyst in the Partial Oxidation of Methanol to Hydrogen. <i>Catalysis Letters</i> , 2009 , 131, 632-642	2.8	9
46	One Pot Synthesis of Ultra-High Copper Contented Cu/SBA-15 Material as Excellent Catalyst in the Hydrogenation of Dimethyl Oxalate to Ethylene Glycol. <i>Catalysis Letters</i> , 2009 , 132, 22-27	2.8	51
45	Highly active and selective Cs _{2.5} H _{0.5} PW ₁₂ O ₄₀ /SBA-15 composite material in the oxidation of cyclopentane-1,2-diol to glutaric acid by aqueous H ₂ O ₂ . <i>Applied Catalysis A: General</i> , 2009 , 352, 61-65	5.1	12
44	Dependence of Ag Deposition Methods on the Photocatalytic Activity and Surface State of TiO ₂ with Twistlike Helix Structure. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 8343-8349	3.8	126
43	The Nature of Active Copper Species in Cu-HMS Catalyst for Hydrogenation of Dimethyl Oxalate to Ethylene Glycol: New Insights on the Synergetic Effect between Cu ⁰ and Cu ⁺ . <i>Journal of Physical Chemistry C</i> , 2009 , 113, 11003-11013	3.8	210
42	The synthesis of propylene glycol and ethylene glycol from glycerol using Raney Ni as a versatile catalyst. <i>Green Chemistry</i> , 2009 , 11, 1514	10	86
41	High-activity, single-site mesoporous WO ₃ -MCF materials for the catalytic epoxidation of cycloocta-1,5-diene with aqueous hydrogen peroxide. <i>Journal of Catalysis</i> , 2008 , 256, 259-267	7.3	35
40	Support Effect of New Au/FeO _x Catalysts in the Oxidative Dehydrogenation of β -Diols to Lactones. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 16110-16117	3.8	25
39	Simple fabrication of thermally stable apertured N-doped TiO ₂ microtubes as a highly efficient photocatalyst under visible light irradiation. <i>Catalysis Communications</i> , 2008 , 9, 146-152	3.2	76
38	Self-assembled Mg ₅ (CO ₃) ₄ (OH) ₂ · 4H ₂ O nanosheet as an effective catalyst in the Baeyer-Villiger oxidation of cyclohexanone. <i>Catalysis Communications</i> , 2008 , 9, 1334-1341	3.2	25
37	Unexpected mononuclear W(VI) complexes containing phosphonate ligands anchored on mesoporous silica. Another strategy for immobilization. <i>Catalysis Communications</i> , 2008 , 9, 1838-1841	3.2	5
36	Influence of Tungsten Precursors on the Structure and Catalytic Properties of WO ₃ /SBA-15 in the Selective Oxidation of Cyclopentene to Glutaraldehyde. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 3819-3826	3.8	65
35	Formation of Ordered Mesoporous MgO with Tunable Pore Diameter and Its Application As Excellent Alkaline Catalyst in Baeyer-Villiger Oxidation. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 17657-17663	3.8	31
34	Novel core-shell structured mesoporous titania microspheres: Preparation, characterization and excellent photocatalytic activity in phenol abatement. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2008 , 195, 284-294	4.7	32
33	Highly active and selective copper-containing HMS catalyst in the hydrogenation of dimethyl oxalate to ethylene glycol. <i>Applied Catalysis A: General</i> , 2008 , 349, 91-99	5.1	121
32	Simple fabrication of twist-like helix N,S-codoped titania photocatalyst with visible-light response. <i>Applied Catalysis B: Environmental</i> , 2008 , 79, 72-80	21.8	125
31	One-pot synthesis of twist-like helix tungsten/nitrogen-codoped titania photocatalysts with highly improved visible light activity in the abatement of phenol. <i>Applied Catalysis B: Environmental</i> , 2008 , 82, 233-243	21.8	64
30	A green process for O-heterocyclization of cycloocta-1,5-diene by peroxotungstic species with aqueous H ₂ O ₂ . <i>Green Chemistry</i> , 2007 , 9, 878	10	5

29	New green catalytic manufacture of glutaric acid from the oxidation of cyclopentane-1,2-diol with aqueous hydrogen peroxide. <i>Applied Catalysis A: General</i> , 2007 , 328, 226-236	5.1	17
28	Highly efficient tungsten trioxide containing mesocellular silica foam catalyst in the O-heterocyclization of cycloocta-1,5-diene with aqueous H ₂ O ₂ . <i>Applied Catalysis A: General</i> , 2007 , 332, 138-145	5.1	13
27	Characterization and catalytic behavior of highly active tungsten-doped SBA-15 catalyst in the synthesis of glutaraldehyde using an anhydrous approach. <i>Journal of Catalysis</i> , 2007 , 249, 278-288	7.3	85
26	Studies on the structural change of a reaction-controlled phase-transfer [EC ₅ H ₅ NC ₁₆ H ₃₃] ₃ {PO ₄ [WO ₃] ₄ } catalyst during the selective oxidation of cyclopentene to glutaric acid with aqueous H ₂ O ₂ . <i>Applied Catalysis A: General</i> , 2006 , 309, 62-69	5.1	24
25	Tungsten-containing MCF silica as active and recyclable catalysts for liquid-phase oxidation of 1,3-butanediol to 4-hydroxy-2-butanone. <i>Applied Catalysis A: General</i> , 2006 , 315, 91-100	5.1	27
24	Effect of preparation method on the hydrogen production from methanol steam reforming over binary Cu/ZrO ₂ catalysts. <i>Applied Catalysis A: General</i> , 2006 , 297, 151-158	5.1	130
23	Chromium Supported on Mesocellular Silica Foam (MCF) for Oxidative Dehydrogenation of Propane. <i>Catalysis Letters</i> , 2006 , 106, 145-152	2.8	30
22	Novel efficient and green approach to the synthesis of glutaraldehyde over highly active W-doped SBA-15 catalyst. <i>Journal of Catalysis</i> , 2005 , 229, 259-263	7.3	41
21	Novel tungsten-containing mesoporous HMS material: its synthesis, characterization and catalytic application in the selective oxidation of cyclopentene to glutaraldehyde by aqueous H ₂ O ₂ . <i>Applied Catalysis A: General</i> , 2005 , 283, 1-8	5.1	75
20	Synthesis, characterization and catalytic application of mesoporous W-MCM-48 for the selective oxidation of cyclopentene to glutaraldehyde. <i>Journal of Molecular Catalysis A</i> , 2005 , 241, 205-214		64
19	Synthesis of novel core-shell structured WO ₃ /TiO ₂ spheroids and its application in the catalytic oxidation of cyclopentene to glutaraldehyde by aqueous H ₂ O ₂ . <i>Journal of Catalysis</i> , 2005 , 234, 438-450	7.3	79
18	Synthesis and characterization of thermally stable mesostructured sulfated zirconia by a novel sulfate-assisted alcohothermal route. <i>Catalysis Letters</i> , 2005 , 99, 73-78	2.8	9
17	Direct dehydrogenation of methanol to formaldehyde over pre-treated polycrystalline silver catalyst. <i>Catalysis Letters</i> , 2005 , 99, 83-87	2.8	10
16	Catalytic oxidation of methane over novel Ce ^{III} /Ni ^{II} mixed oxide catalysts prepared by oxalate gel-coprecipitation. <i>Catalysis Letters</i> , 2005 , 99, 207-213	2.8	46
15	A highly efficient Cu/ZnO/Al ₂ O ₃ catalyst via gel-coprecipitation of oxalate precursors for low-temperature steam reforming of methanol. <i>Catalysis Letters</i> , 2005 , 102, 183-190	2.8	45
14	Novel highly active Ag ₂ O ₂ /Al ₂ O ₃ /ZnO catalyst for the production of anhydrous HCHO from direct dehydrogenation of CH ₃ OH. <i>Applied Catalysis A: General</i> , 2004 , 273, 83-88	5.1	22
13	Direct production of hydrogen peroxide from CO, O ₂ , and H ₂ O over a novel alumina-supported Cu catalyst. <i>New Journal of Chemistry</i> , 2004 , 28, 1431	3.6	3
12	Highly Effective Oxidative Dehydrogenation of Propane Over Vanadia Supported on Mesoporous SBA-15 Silica. <i>Catalysis Letters</i> , 2003 , 88, 61-67	2.8	63

11	Novel Highly Active Ag ₂ SiO ₂ /MgO Catalysts Used for Direct Dehydrogenation of Methanol to Anhydrous Formaldehyde. <i>Catalysis Letters</i> , 2003 , 85, 81-85	2.8	11
10	The nonisothermal decomposition kinetics of copper(II) complexes with phthalanilic acids and amino acids. <i>International Journal of Chemical Kinetics</i> , 2003 , 35, 623-628	1.4	
9	Novel economic and green approach to the synthesis of highly active W-MCM41 catalyst in oxidative cleavage of cyclopentene. <i>Chemical Communications</i> , 2003 , 892-3	5.8	34
8	First observation of highly efficient dehydrogenation of methanol to anhydrous formaldehyde over novel Ag-SiO ₂ -MgO-Al ₂ O ₃ catalyst. <i>Chemical Communications</i> , 2003 , 3030-1	5.8	20
7	In situ Raman studies on the interaction of oxygen and methanol with an iodine-modified electrolytic silver catalyst. <i>Journal of Raman Spectroscopy</i> , 2002 , 33, 318-324	2.3	10
6	Novel Heterogeneous W-Doped MCM-41 Catalyst for Highly Selective Oxidation of Cyclopentene to Glutaraldehyde by Aqueous H ₂ O ₂ . <i>Catalysis Letters</i> , 2002 , 81, 131-136	2.8	45
5	XPS studies of Cu/ZnO/Al ₂ O ₃ ultra-fine catalysts derived by a novel gel oxalate co-precipitation for methanol synthesis by CO ₂ +H ₂ . <i>Applied Surface Science</i> , 2001 , 177, 172-179	6.7	97
4	Ultrafine Ni ₇₅ Co ₂₅ B amorphous alloys and their activities in benzene hydrogenation to cyclohexane. <i>Catalysis Letters</i> , 2001 , 71, 187-192	2.8	20
3	XPS studies on surface electronic characteristics of Ni ₇₅ B and Ni ₇₅ P amorphous alloy and its correlation to their catalytic properties. <i>Applied Surface Science</i> , 1999 , 152, 25-34	6.7	265
2	Interaction of oxygen with silver surface at high temperature. <i>Applied Surface Science</i> , 1998 , 126, 148-150.	2.7	13
1	Oxidative dehydrogenation of methanol to formaldehyde on electrolytic silver catalyst modified with iodides. <i>Applied Catalysis A: General</i> , 1998 , 175, 83-88	5.1	28