Chak Tong Au

List of Publications by Year
in descending order

139 papers	7,192 citations	43973 48 h-index	66788 78 g-index
139 all docs	139 docs citations	139 times ranked	7860 citing authors

#	Article	IF	Citations
1	Investigation on the catalysis of COx-free hydrogen generation fromÂammonia. Journal of Catalysis, 2004, 224, 384-396.	3.1	382
2	The direct transformation of carbon dioxide to organic carbonates over heterogeneous catalysts. Applied Catalysis A: General, 2009, 366, 2-12.	2.2	313
3	Controlled preparation and high catalytic performance of three-dimensionally ordered macroporous LaMnO3 with nanovoid skeletons for the combustion of toluene. Journal of Catalysis, 2012, 287, 149-160.	3.1	230
4	Nano Ru/CNTs: a highly active and stable catalyst for the generation of CO -free hydrogen in ammonia decomposition. Applied Catalysis B: Environmental, 2004, 48, 237-241.	10.8	211
5	Room-Temperature Synthesis of Flower-Like BiOX (Xâ•Cl, Br, I) Hierarchical Structures and Their Visible-Light Photocatalytic Activity. Inorganic Chemistry, 2013, 52, 11118-11125.	1.9	162
6	Porous Co3O4 nanowires and nanorods: Highly active catalysts for the combustion of toluene. Applied Catalysis A: General, 2013, 450, 42-49.	2.2	156
7	Size dependence of the magnetic properties of Ni nanoparticles prepared by thermal decomposition method. Nanoscale Research Letters, 2013, 8, 446.	3.1	148
8	Fine-tunable Ni@porous silica coreâ€“shell nanocatalysts: Synthesis, characterization, and catalytic properties in partial oxidation of methane to syngas. Journal of Catalysis, 2012, 288, 54-64.	3.1	144
9	Flower-like Bi2O2CO3: Facile synthesis and their photocatalytic application in treatment of dye-containing wastewater. Chemical Engineering Journal, 2012, 193-194, 123-130.	6.6	142
10	Porous peanut-like Bi2O3â€“BiVO4 composites with heterojunctions: one-step synthesis and their photocatalytic properties. Dalton Transactions, 2012, 41, 9513.	1.6	138
11	ZnBr2â€“Ph4PI as highly efficient catalyst for cyclic carbonates synthesis from terminal epoxides and carbon dioxide. Applied Catalysis A: General, 2008, 341, 106-111.	2.2	136
12	Rod-, flower-, and dumbbell-like MnO2: Highly active catalysts for the combustion of toluene. Applied Catalysis A: General, 2012, 433-434, 206-213.	2.2	133
13	Morphology-directed synthesis of Co₃O₄nanotubes based on modified Kirkendall effect and its application in CH₄combustion. Chemical Communications, 2012, 48, 853-855.	2.2	116
14	Strontium-Doped Lanthanum Cobaltite and Manganite: Highly Active Catalysts for Toluene Complete Oxidation. Industrial & Engineering Chemistry Research, 2008, 47, 8175-8183.	1.8	110
15	Cycloaddition of CO₂ to Epoxides Catalyzed by Carboxyl-Functionalized Imidazolium-Based Ionic Liquid Grafted onto Cross-Linked Polymer. Industrial & Engineering Chemistry Research, 2012, 51, 3951-3957.	1.8	110
16	Efficient Acrylic Acid Production through Bio Lactic Acid Dehydration over NaY Zeolite Modified by Alkali Phosphates. ACS Catalysis, 2011, 1, 32-41.	5.5	108
17	Ultrasound-assisted nanocasting fabrication and excellent catalytic performance of three-dimensionally ordered mesoporous chromia for the combustion of formaldehyde, acetone, and methanol. Applied Catalysis B: Environmental, 2010, 100, 229-237.	10.8	106
18	High-Efficiency Synthesis of Cyclic Carbonates from Epoxides and CO2 over Hydroxyl Ionic Liquid Catalyst Grafted onto Cross-Linked Polymer. Catalysis Letters, 2010, 137, 74-80.	1.4	105

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19	Three-dimensional ordered macroporous bismuth vanadates: PMMA-templating fabrication and excellent visible light-driven photocatalytic performance for phenol degradation. Nanoscale, 2012, 4, 2317.	2.8	95
20	Synthesis of Propylene Carbonate from Carbon Dioxide and Propylene Oxide Using Zn-Mg-Al Composite Oxide as High-efficiency Catalyst. Catalysis Letters, 2010, 136, 35-44.	1.4	93
21	Strong Morphological Effect of Mn₃O₄ Nanocrystallites on the Catalytic Activity of Mn₃O₄ and Au/Mn₃O₄ in Benzene Combustion. Chemistry - A European Journal, 2013, 19, 6480-6487.	1.7	92
22	Review of magnetocaloric effect in perovskite-type oxides. Chinese Physics B, 2013, 22, 057501.	0.7	87
23	3-(2-Hydroxyl-Ethyl)-1-Propylimidazolium Bromide Immobilized on SBA-15 as Efficient Catalyst for the Synthesis of Cyclic Carbonates via the Coupling of Carbon Dioxide with Epoxides. Catalysis Letters, 2010, 135, 295-304.	1.4	85
24	Hydrothermal fabrication and visible-light-driven photocatalytic properties of bismuth vanadate with multiple morphologies and/or porous structures for Methyl Orange degradation. Journal of Environmental Sciences, 2012, 24, 449-457.	3.2	85
25	Characteristic and Mechanism of Methane Dehydroaromatization over Zn-Based/HZSM-5 Catalysts under Conditions of Atmospheric Pressure and Supersonic Jet Expansion. Journal of Physical Chemistry C, 2011, 115, 16954-16962.	1.5	81
26	Facile synthesis of BiOCl nano-flowers of narrow band gap and their visible-light-induced photocatalytic property. Catalysis Communications, 2012, 23, 54-57.	1.6	80
27	In situ hydrothermally synthesized mesoporous LaCoO3/SBA-15 catalysts: High activity for the complete oxidation of toluene and ethyl acetate. Applied Catalysis A: General, 2009, 352, 43-49.	2.2	77
28	Nanosized Ru on high-surface-area superbasic ZrO2-KOH for efficient generation of hydrogen via ammonia decomposition. Applied Catalysis A: General, 2006, 301, 202-210.	2.2	74
29	Hydrothermally fabricated single-crystalline strontium-substituted lanthanum manganite microcubes for the catalytic combustion of toluene. Journal of Molecular Catalysis A, 2009, 299, 60-67.	4.8	72
30	Deep Desulfurization by the Adsorption Process of Fluidized Catalytic Cracking (FCC) Diesel over Mesoporous Alâ˜MCM-41 Materials. Energy & Fuels, 2007, 21, 250-255.	2.5	71
31	Coreâ€“shell structured microcapsular-like Ru@SiO2 reactor for efficient generation of COx-free hydrogen through ammonia decomposition. Chemical Communications, 2010, 46, 5298.	2.2	71
32	In situ PMMA-templating preparation and excellent catalytic performance of Co3O4/3DOM La0.6Sr0.4CoO3 for toluene combustion. Applied Catalysis A: General, 2013, 458, 11-20.	2.2	67
33	One-pot solvothermal syntheses of ternary heterostructured TiO2â€“Bi2MoO6/Bi3.64Mo0.36O6.55 controllable in terms of composition, morphology and structure: Materials of high visible-light driven photocatalytic activity. Applied Catalysis B: Environmental, 2013, 140-141, 608-618.	10.8	63
34	Specific role of transient Oâ˜(s) at Mg(0001) surfaces in activation of ammonia by dioxygen and nitrous oxide. Nature, 1986, 319, 206-208.	13.7	62
35	Oxidative dehydrogenation of n-butane over mesoporous VO x /SBA-15 catalysts. Catalysis Letters, 2007, 113, 147-154.	1.4	61
36	Hollow peanut-like m-BiVO4: facile synthesis and solar-light-induced photocatalytic property. CrystEngComm, 2012, 14, 4217.	1.3	59

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37	The relationship of structural defectâ€“redox propertyâ€“catalytic performance of perovskites and their related compounds for CO and NOx removal. Catalysis Today, 2004, 90, 231-244.	2.2	58
38	Controllable synthesis of hollow and porous Ag/BiVO4 composites with enhanced visible-light photocatalytic performance. RSC Advances, 2013, 3, 24354.	1.7	57
39	Chemisorption of oxygen at Ag(110) surfaces and its role in adsorbate activation. Journal of the Chemical Society Faraday Transactions I, 1983, 79, 1779.	1.0	56
40	The promotion of surface-catalysed reactions by gaseous additives. The role of a surface oxygen transient. Journal of the Chemical Society Faraday Transactions I, 1987, 83, 2047.	1.0	56
41	Preparation, characterization, and catalytic activity of chromia supported on SBA-15 for the oxidative dehydrogenation of isobutane. Applied Catalysis A: General, 2009, 355, 192-201.	2.2	55
42	Three-dimensionally ordered macroporous SrFeO3â˜Î´ with high surface area: Active catalysts for the complete oxidation of toluene. Applied Catalysis A: General, 2012, 425-426, 153-160.	2.2	55
43	Highly Efficient and Selective Synthesis of (E)â€Î±,Î²â€Unsaturated Ketones by Crossed Condensation of Ketones and Aldehydes Catalyzed by an Airâ€Stable Cationic Organobismuth Perfluorooctanesulfonate. Advanced Synthesis and Catalysis, 2010, 352, 153-162.	2.1	54
44	A mini-review on air-stable organometallic Lewis acids: synthesis, characterization, and catalytic application in organic synthesis. RSC Advances, 2012, 2, 10774.	1.7	54
45	Air-stable hypervalent organobismuth(III) tetrafluoroborate as effective and reusable catalyst for the allylation of aldehyde with tetraallyltin. Tetrahedron Letters, 2010, 51, 153-156.	0.7	52
46	Coreâ€“shell structured nickel and ruthenium nanoparticles: Very active and stable catalysts for the generation of COx-free hydrogen via ammonia decomposition. Catalysis Today, 2011, 164, 112-118.	2.2	52
47	Effect of vanadium substitution in the cesium salts of Keggin-type heteropolyacids on propane partial oxidation. Journal of Catalysis, 2006, 237, 58-66.	3.1	50
48	Preparation and High Performance of La₂O₃â˜V₂O₅/MCM-41 Catalysts for Ethylbenzene Dehydrogenation in the Presence of CO₂. Journal of Physical Chemistry C, 2008, 112, 15490-15501.	1.5	50
49	Cross-linked polymer grafted with functionalized ionic liquid as reusable and efficient catalyst for the cycloaddition of carbon dioxide to epoxides. Journal of CO2 Utilization, 2013, 3-4, 7-13.	3.3	50
50	Synthesis, structure, and in vitro antiproliferative activity of cyclic hypervalent organobismuth(III) chlorides and their triphenylgermylpropionate derivatives. Journal of Organometallic Chemistry, 2009, 694, 3019-3026.	0.8	48
51	Preparation, characterization, and catalytic properties of NdSrCu1â˜xCoxO4â˜Î´ and Sm1.8Ce0.2Cu1â˜xCoxO4+Î´ (x=0, 0.2 and 0.4) for methane combustion. Applied Catalysis B: Environmental, 2009, 89, 87-96.	10.8	48
52	Highly active and stable mesoporous Au/CeO2 catalysts prepared from MCM-48 hard-template. Microporous and Mesoporous Materials, 2011, 142, 308-315.	2.2	47
53	A comparative study of bulk and 3DOM-structured Co3O4, Eu0.6Sr0.4FeO3, and Co3O4/Eu0.6Sr0.4FeO3: Preparation, characterization, and catalytic activities for toluene combustion. Applied Catalysis A: General, 2012, 447-448, 41-48.	2.2	47
54	Core-shell structured iron nanoparticles for the generation of CO -free hydrogen via ammonia decomposition. Catalysis Communications, 2010, 11, 368-372.	1.6	46

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55	Synthesis and structure of an air-stable hypervalent organobismuth (III) perfluorooctanesulfonate and its use as high-efficiency catalyst for Mannich-type reactions in water. Journal of Organometallic Chemistry, 2009, 694, 3559-3564.	0.8	45
56	Pulse studies of CH4 interaction with NiO/Al2O3 catalysts. Catalysis Letters, 1994, 27, 199-206.	1.4	44
57	A mini-review on solid superbase catalysts developed in the past two decades. RSC Advances, 2013, 3, 3799.	1.7	44
58	Novel Photoluminescence Properties of Magnetic Fe/ZnO Composites: Self-Assembled ZnO Nanospikes on Fe Nanoparticles Fabricated by Hydrothermal Method. Journal of Physical Chemistry C, 2009, 113, 21269-21273.	1.5	43
59	Preparation, characterization and photocatalytic activity of Bi2O3â€“MgO composites. Materials Chemistry and Physics, 2011, 125, 236-241.	2.0	43
60	Effect of butterfly-shaped sulfur-bridged ligand and counter anions on the catalytic activity and diastereoselectivity of organobismuth complexes. Dalton Transactions, 2011, 40, 9482.	1.6	42
61	Synthesis and structure of an air-stable organobismuth triflate complex and its use as a high-efficiency catalyst for the ring opening of epoxides in aqueous media with aromatic amines. Journal of Organometallic Chemistry, 2011, 696, 1579-1583.	0.8	42
62	Graphite as a highly efficient and stable catalyst for the production of lactones. Carbon, 2013, 55, 269-275.	5.4	42
63	Efficient synthesis of propargylamines from terminal alkynes, dichloromethane and tertiary amines over silver catalysts. Organic and Biomolecular Chemistry, 2014, 12, 247-250.	1.5	40
64	Characterization and evaluation of MoVTeNb mixed metal oxide catalysts fabricated via hydrothermal process with ultrasonic pretreatment for propane partial oxidation. Journal of Catalysis, 2008, 253, 57-65.	3.1	39
65	Effect of sulfur doping on the photocatalytic performance of BiVO4 under visible light illumination. Chinese Journal of Catalysis, 2013, 34, 1617-1626.	6.9	39
66	Facile separation catalyst system: direct diastereoselective synthesis of (E)-Î±,Î²-unsaturated ketones catalyzed by an air-stable Lewis acidic/basic bifunctional organobismuth complex in ionic liquids. Green Chemistry, 2010, 12, 1767.	4.6	38
67	Preparation of Nanosized Silicalite-1 and Its Application in Vapor-Phase Beckmann Rearrangement of Cyclohexanone Oxime. Industrial & Engineering Chemistry Research, 2012, 51, 9492-9499.	1.8	38
68	A comparison study on the partial oxidation of n-butane and propane over VPO catalysts supported on SBA-15, MCM-41, and fumed SiO2. Applied Catalysis A: General, 2006, 306, 8-16.	2.2	37
69	Tunnelling magnetoresistance of double perovskite Sr2FeMoO6enhanced by grain boundary adjustment. Nanotechnology, 2006, 17, 250-256.	1.3	37
70	The effect of nitrogen incorporation on the magnetic properties of carbon-doped ZnO. Journal Physics D: Applied Physics, 2008, 41, 155005.	1.3	37
71	Synthesis and structure of an air-stable organoantimony complex and its use as a catalyst for direct diastereoselective Mannich reactions in water. Journal of Organometallic Chemistry, 2010, 695, 1487-1492.	0.8	37
72	Design and Synthesis of Novel Single-Crystalline Hierarchical CdS Nanostructures Generated by Thermal Evaporation Processes. Crystal Growth and Design, 2011, 11, 2172-2176.	1.4	37

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73	Strong metalâ€“support interactions of Co-based catalysts facilitated by dopamine for highly efficient ammonia synthesis: in situ XPS and XAFS spectroscopy coupled with TPD studies. Chemical Communications, 2019, 55, 474-477.	2.2	36
74	Cyclohexane Oxidation Over Size-Uniform Au Nanoparticles (SBA-15 hosted) in a Continuously Stirred Tank Reactor Under Mild Conditions. Catalysis Letters, 2009, 129, 303-311.	1.4	34
75	Low-Cost Polymer-Supported Quaternary Ammonium Salts as High-Efficiency Catalysts for Cycloaddition of CO2 to Epoxides. Catalysis Letters, 2012, 142, 1376-1381.	1.4	34
76	Hydrothermal synthesis of stable mesoporous ZrO2â€“Y2O3 and CeO2â€“ZrO2â€“Y2O3 from simple inorganic salts and CTAB template in aqueous medium. Materials Chemistry and Physics, 2008, 107, 132-136.	2.0	33
77	Solid superbase derived from lanthanumâ€“magnesium composite oxide and its catalytic performance in the knoevenagel condensation under solvent-free condition. Catalysis Communications, 2011, 12, 1333-1338.	1.6	33
78	Methane dehydrogenation and aromatization over 4Âwt% Mn/HZSM-5 in the absence of an oxidant. Catalysis Letters, 2006, 112, 239-245.	1.4	32
79	Single-Crystalline La0.6Sr0.4CoO3-Î´ Nanowires/Nanorods Derived Hydrothermally Without the Use of a Template: Catalysts Highly Active for Toluene Complete Oxidation. Catalysis Letters, 2008, 123, 294-300.	1.4	32
80	Preparation of magnetic Fe3O4/SiO2/Bi2WO6 microspheres and their application in photocatalysis. Materials Research Bulletin, 2013, 48, 725-729.	2.7	32
81	Catalytic conversion of CH3Br to aromatics over PbO-modified HZSM-5. Applied Catalysis A: General, 2009, 367, 99-107.	2.2	31
82	Synthesis and Structure of Binuclear O/Sâ€Bridged Organobismuth Complexes and Their Cooperative Catalytic Effect on CO₂ Fixation. ChemPlusChem, 2012, 77, 404-410.	1.3	29
83	Sodium nitrate modified SBA-15 and fumed silica for efficient production of acrylic acid and 2,3-pentanedione from lactic acid. Journal of Industrial and Engineering Chemistry, 2014, 20, 1353-1358.	2.9	29
84	Cs-modified iron nanoparticles encapsulated in microporous and mesoporous SiO2 for COx-free H2 production via ammonia decomposition. Catalysis Today, 2011, 160, 79-86.	2.2	28
85	Highly efficient and stable hydrogen evolution from water with CdS as photosensitizerâ€”A noble-metal-free system. Applied Catalysis B: Environmental, 2014, 150-151, 466-471.	10.8	28
86	One-pot synthesis of potassium-loaded MgAl oxide as solid superbase catalyst for Knoevenagel condensation. Applied Catalysis A: General, 2013, 467, 33-37.	2.2	27
87	Selective oxidation of p-chlorotoluene to p-chlorobenzaldehyde with molecular oxygen over zirconium-doped manganese oxide materials. Chemical Engineering Journal, 2014, 240, 509-515.	6.6	27
88	Enhanced visible-light photocatalytic activities of porous olive-shaped sulfur-doped BiVO4-supported cobalt oxides. Solid State Sciences, 2013, 18, 98-104.	1.5	26
89	MgO-modified VOx/SBA-15 as catalysts for the oxidative dehydrogenation of n-butane. Catalysis Today, 2008, 131, 450-456.	2.2	25
90	Synthesis, Structure and Applications of Hypervalent Organoantimony Compounds Having Intramolecular Eâ†'Sb (E = N, O, S) Coordinations. Current Organic Chemistry, 2012, 16, 2462-2481.	0.9	25

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91	Porous FeOx/BiVO4â€“Î´S0.08: Highly efficient photocatalysts for the degradation of Methylene Blue under visible-light illumination. Journal of Environmental Sciences, 2013, 25, 2138-2149.	3.2	25
92	Bismuth Subnitrate as an Efficient Heterogeneous Catalyst for Acetalization and Ketalization of Carbonyl Compounds with Diols. Catalysis Letters, 2008, 124, 127-132.	1.4	24
93	Controllable synthesis and purification of carbon nanofibers and nanocoils over water-soluble NaNO3. Carbon, 2013, 56, 383-385.	5.4	24
94	Template-free synthesis of high surface area single-crystalline lanthanum hydroxide nanorods via a low-temperature solution route. Materials Letters, 2009, 63, 632-634.	1.3	23
95	Solid sodium stannate as a high-efficiency superbase catalyst for anti-Markovnikov hydroamination and hydroalkoxylation of electron-deficient olefins under mild conditions. Catalysis Communications, 2011, 12, 712-716.	1.6	23
96	Liquid-phase catalytic oxidation of p-chlorotoluene to p-chlorobenzaldehyde over manganese oxide octahedral molecular sieves. Applied Catalysis A: General, 2013, 467, 117-123.	2.2	23
97	Highly Active and Stable Lanthanumâ€doped Coreâ€“Shellâ€structured Ni@SiO₂ Catalysts for the Partial Oxidation of Methane to Syngas. ChemCatChem, 2013, 5, 3781-3787.	1.8	23
98	Substantial Pretreatment Effect on CO Oxidation over Controllably Synthesized Au/FeO_x Hollow Nanostructures via Hybrid Au/Î²-FeOOH@SiO₂. ACS Catalysis, 2013, 3, 3099-3105.	5.5	23
99	Surface Cobalt Silicate and CoOx Cluster Anchored to SBA-15: Highly Efficient for Cyclohexane Partial Oxidation. Catalysis Letters, 2010, 136, 20-27.	1.4	21
100	Niâ€“Coâ€“Cu supported on pseudoboehmite-derived Al2O3: Highly efficient catalysts for the hydrogenation of organic functional groups. Applied Catalysis A: General, 2012, 425-426, 68-73.	2.2	20
101	Investigation on Reverse Waterâ€“gas Shift over La2NiO4 Catalyst by Cw-cavity Enhanced Absorption Spectroscopy During CH4/CO2 Reforming. Catalysis Letters, 2006, 108, 37-44.	1.4	19
102	Superbasic sodium stannate as catalyst for dehydrogenation, Michael addition and transesterification reactions. Applied Catalysis A: General, 2011, 406, 113-118.	2.2	19
103	Binary Crâ€“Mo oxide catalysts supported on MgO-coated polyhedral three-dimensional mesoporous SBA-16 for the oxidative dehydrogenation of iso-butane. Applied Catalysis A: General, 2009, 354, 72-81.	2.2	18
104	Synthesis and structures of hypervalent organoantimony and organobismuth chlorides containing asymmetric C,E,C-chelating (E = O, S) ligands. Dalton Transactions, 2013, 42, 9476.	1.6	18
105	Oxidation of p-chlorotoluene to p-chlorobenzaldehyde over manganese-based octahedral molecular sieves of different morphologies. Catalysis Communications, 2014, 43, 126-130.	1.6	18
106	Parity Alternation of Ground-State Pn- and Pn+ (n = 3â^'15) Phosphorus Clusters. Journal of Physical Chemistry A, 2007, 111, 216-222.	1.1	17
107	Redox Properties of Cobalt Nitrides for NO Dissociation and Reduction. Catalysis Letters, 2009, 130, 63-71.	1.4	17
108	Design, growth, and characterization of morphology-tunable CdxZn1â^'xS nanostructures generated by a one-step thermal evaporation process. CrystEngComm, 2012, 14, 4298.	1.3	17

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109	Large-scale and controllable synthesis of metal-free nitrogen-doped carbon nanofibers and nanocoils over water-soluble Na2CO3. Nanoscale Research Letters, 2013, 8, 545.	3.1	17
110	Theoretical Study of Arsenic-Doped Carbon Clusters CnAs- (n = 1â^'11). Journal of Physical Chemistry A, 2004, 108, 5704-5709.	1.1	16
111	Cationic organobismuth complex as an effective catalyst for conversion of CO2 into cyclic carbonates. Frontiers of Environmental Science and Engineering in China, 2009, 3, 32-37.	0.8	16
112	Novel MgOâ€“SnO2 Solid Superbase as a High-Efficiency Catalyst for One-Pot Solvent-Free Synthesis of Polyfunctionalized 4H-pyran Derivatives. Catalysis Letters, 2012, 142, 608-614.	1.4	16
113	Controllable synthesis, characterization and photoluminescence properties of morphology-tunable CdS nanomaterials generated in thermal evaporation processes. Applied Surface Science, 2012, 258, 7343-7347.	3.1	15
114	Novel and versatile solid superbases derived from magnesiumâ€“zirconium composite oxide and their catalytic applications. RSC Advances, 2014, 4, 6159.	1.7	15
115	CrOx/nano-Ce0.60Zr0.35Y0.05O2 catalysts that are highly selective for the oxidative dehydrogenation of isobutane to isobutene. Applied Catalysis A: General, 2010, 375, 272-278.	2.2	14
116	A new catalytic process for highâ€efficiency synthesis of pâ€xylene by methylation of toluene with <scp>CH₃Br</scp>. AIChE Journal, 2013, 59, 532-540.	1.8	14
117	Magnetocaloric effect in ordered double-perovskite Ba$_mathsf{2}$FeMoO$_mathsf{6}$ synthesized using wet chemistry. European Physical Journal B, 2004, 41, 213-217.	0.6	13
118	A Study on the Relationship Between Low-Temperature Reducibility and Catalytic Performance of Single-Crystalline La0.6Sr0.4MnO3+Î´ Microcubes for Toluene Combustion. Catalysis Letters, 2009, 130, 622-629.	1.4	13
119	Synthesis and characterization of H-ZSM-5 zeolites and their catalytic performance in CH3Br conversion to aromatics. Reaction Kinetics, Mechanisms and Catalysis, 2011, 103, 191-207.	0.8	13
120	A density functional study on nitrogen-doped carbon clusters CnN3â^'â€Š(n=1â€“8). Journal of Chemical Physics, 2004, 121, 11661-11667.	1.2	11
121	Density Functional Theory Study of CsC_n^{â^'} (n = 1â^'10) Clusters. Journal of Physical Chemistry A, 2008, 112, 12456-12462.	1.1	11
122	Controllable synthesis of corrugated CdS nanoribbons of high quality by vaporâ€“liquidâ€“solid method. CrystEngComm, 2012, 14, 585-589.	1.3	11
123	Synthesis and Structure of Organobismuth Chlorides and Triflates Containing (C,E)â€Chelating Ligands (E=O, S) and Their Catalytic Application in the Allylation of Aldehydes with Tetraallyltin. ChemPlusChem, 2013, 78, 1363-1369.	1.3	11
124	Oxidative coupling of methane over LaF3/La2O3 catalysts. Catalysis Letters, 1994, 23, 377-386.	1.4	10
125	A Density Functional Study on Beryllium-Doped Carbon Dianion Clusters CnBe2-(n= 4â^'14). Journal of Physical Chemistry A, 2006, 110, 4502-4508.	1.1	10
126	Large Room-Temperature Tunneling Magnetoresistance of â€œBulrush-Likeâ€•Double Perovskite Ba$_{2}$FeMoO$_{6}$. IEEE Transactions on Magnetics, 2007, 43, 3079-3081.	1.2	8

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127	Density Functional Study of the Structures and Energies of CnP3- (n = 2â^'8) Clusters. Journal of Physical Chemistry A, 2003, 107, 10111-10117.	1.1	7
128	An environmentally benign solvothermal method for the synthesis of nanostructured Cd5(OH)8(NO3)2(H2O)2: templates for the generation of nanoporous CdO materials with photocatalytic properties. Nanoscale, 2011, 3, 1887.	2.8	7
129	Enhanced Low-Temperature Activity of Ag-Promoted Co-ZSM-5 for the CH4-SCR of NO. Catalysis Letters, 2011, 141, 207-212.	1.4	7
130	Co3O4 of regular cubic shape as high-efficiency catalyst for the preparation of lactones through the Baeyerâ€"Villiger oxidation of cyclic ketones with dioxygen. Reaction Kinetics, Mechanisms and Catalysis, 2013, 109, 525-535.	0.8	7
131	Target-oriented confinement of Ru-Co nanoparticles inside N-doped carbon spheres via a benzoic acid guided process for high-efficient low-temperature ammonia synthesis. Journal of Energy Chemistry, 2021, 57, 140-146.	7.1	7
132	Computer simulation of derivative TPD. Thermochimica Acta, 1996, 274, 289-301.	1.2	6
133	A Comparison Study on the Structure and Performance of Moâ€"Vâ€"O and Moâ€"Vâ€"Teâ€"O Catalysts Synthesized Hydrothermally with Ultrasonic Pretreatment for Propane Oxidation. Catalysis Letters, 2008, 124, 288-296.	1.4	6
134	The Role of Active Sites of CoH-ZSM-5 Catalysts for the C2H4-SCR of NO. Catalysis Letters, 2010, 135, 182-189.	1.4	4
135	A comparison of two-layered La2.52xK0.52xMn2O7 and La1xKxMnO3 polycrystals for the magnetoresistance effect. Physica Status Solidi A, 2003, 195, 440-446.	1.7	3
136	The partial oxidation of C4â€"C6 alkanes to maleic anhydride, 2-methyl maleic anhydride, and acetic acid over MoVO catalysts. Catalysis Letters, 2006, 111, 103-109.	1.4	3
137	Synthesis and abnormal photoluminescence of core/shell structured Feâ•ZnO nanoparticles. Journal of Applied Physics, 2008, 103, 07D520.	1.1	2
138	Facile Route Using Highly Arrayed PMMA Spheres as Hard Template for the Fabrication of 3D Ordered Nanoporous MgO. Chinese Journal of Chemical Physics, 2007, 20, 697-700.	0.6	1
139	Controllable synthesis, characterization, and growth mechanism of hollow Zn x Cd 1â^' x S spheres generated by a one-step thermal evaporation method. Chinese Physics B, 2013, 22, 108101.	0.7	1