

# Chak Tong Au

## List of Publications by Year in descending order

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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	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. <i>Journal of Energy Chemistry</i> , 2021, 57, 140-146.	7.1	7
2	Strong metal-support interactions of Co-based catalysts facilitated by dopamine for highly efficient ammonia synthesis: <i>in situ</i> XPS and XAFS spectroscopy coupled with TPD studies. <i>Chemical Communications</i> , 2019, 55, 474-477.	2.2	36
3	Selective oxidation of p-chlorotoluene to p-chlorobenzaldehyde with molecular oxygen over zirconium-doped manganese oxide materials. <i>Chemical Engineering Journal</i> , 2014, 240, 509-515.	6.6	27
4	Highly efficient and stable hydrogen evolution from water with CdS as photosensitizer: A noble-metal-free system. <i>Applied Catalysis B: Environmental</i> , 2014, 150-151, 466-471.	10.8	28
5	Efficient synthesis of propargylamines from terminal alkynes, dichloromethane and tertiary amines over silver catalysts. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 247-250.	1.5	40
6	Oxidation of p-chlorotoluene to p-chlorobenzaldehyde over manganese-based octahedral molecular sieves of different morphologies. <i>Catalysis Communications</i> , 2014, 43, 126-130.	1.6	18
7	Novel and versatile solid superbases derived from magnesium-zirconium composite oxide and their catalytic applications. <i>RSC Advances</i> , 2014, 4, 6159.	1.7	15
8	Sodium nitrate modified SBA-15 and fumed silica for efficient production of acrylic acid and 2,3-pentanedione from lactic acid. <i>Journal of Industrial and Engineering Chemistry</i> , 2014, 20, 1353-1358.	2.9	29
9	A new catalytic process for high-efficiency synthesis of <i>p</i> -xylene by methylation of toluene with $\text{CH}_3\text{Br}$ . <i>AIChE Journal</i> , 2013, 59, 532-540.	1.8	14
10	Co <sub>3</sub> O <sub>4</sub> of regular cubic shape as high-efficiency catalyst for the preparation of lactones through the Baeyer-Villiger oxidation of cyclic ketones with dioxygen. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2013, 109, 525-535.	0.8	7
11	Liquid-phase catalytic oxidation of p-chlorotoluene to p-chlorobenzaldehyde over manganese oxide octahedral molecular sieves. <i>Applied Catalysis A: General</i> , 2013, 467, 117-123.	2.2	23
12	Porous Co <sub>3</sub> O <sub>4</sub> nanowires and nanorods: Highly active catalysts for the combustion of toluene. <i>Applied Catalysis A: General</i> , 2013, 450, 42-49.	2.2	156
13	One-pot solvothermal syntheses of ternary heterostructured TiO <sub>2</sub> -Bi <sub>2</sub> MoO <sub>6</sub> /Bi <sub>3.64</sub> Mo <sub>0.36</sub> O <sub>6.55</sub> controllable in terms of composition, morphology and structure: Materials of high visible-light driven photocatalytic activity. <i>Applied Catalysis B: Environmental</i> , 2013, 140-141, 608-618.	10.8	63
14	Controllable synthesis and purification of carbon nanofibers and nanocoils over water-soluble NaNO <sub>3</sub> . <i>Carbon</i> , 2013, 56, 383-385.	5.4	24
15	Review of magnetocaloric effect in perovskite-type oxides. <i>Chinese Physics B</i> , 2013, 22, 057501.	0.7	87
16	Cross-linked polymer grafted with functionalized ionic liquid as reusable and efficient catalyst for the cycloaddition of carbon dioxide to epoxides. <i>Journal of CO<sub>2</sub> Utilization</i> , 2013, 3-4, 7-13.	3.3	50
17	Porous FeOx/BiVO <sub>4</sub> -S <sub>0.08</sub> : Highly efficient photocatalysts for the degradation of Methylene Blue under visible-light illumination. <i>Journal of Environmental Sciences</i> , 2013, 25, 2138-2149.	3.2	25
18	Large-scale and controllable synthesis of metal-free nitrogen-doped carbon nanofibers and nanocoils over water-soluble Na <sub>2</sub> CO <sub>3</sub> . <i>Nanoscale Research Letters</i> , 2013, 8, 545.	3.1	17

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19	One-pot synthesis of potassium-loaded MgAl oxide as solid superbase catalyst for Knoevenagel condensation. <i>Applied Catalysis A: General</i> , 2013, 467, 33-37.	2.2	27
20	Room-Temperature Synthesis of Flower-Like BiOX (X=Cl, Br, I) Hierarchical Structures and Their Visible-Light Photocatalytic Activity. <i>Inorganic Chemistry</i> , 2013, 52, 11118-11125.	1.9	162
21	Highly Active and Stable Lanthanum-doped Core-shell structured Ni@SiO <sub>2</sub> Catalysts for the Partial Oxidation of Methane to Syngas. <i>ChemCatChem</i> , 2013, 5, 3781-3787.	1.8	23
22	Synthesis and structures of hypervalent organoantimony and organobismuth chlorides containing asymmetric C,E,C-chelating (E = O, S) ligands. <i>Dalton Transactions</i> , 2013, 42, 9476.	1.6	18
23	Controllable synthesis of hollow and porous Ag/BiVO <sub>4</sub> composites with enhanced visible-light photocatalytic performance. <i>RSC Advances</i> , 2013, 3, 24354.	1.7	57
24	Effect of sulfur doping on the photocatalytic performance of BiVO <sub>4</sub> under visible light illumination. <i>Chinese Journal of Catalysis</i> , 2013, 34, 1617-1626.	6.9	39
25	Enhanced visible-light photocatalytic activities of porous olive-shaped sulfur-doped BiVO <sub>4</sub> -supported cobalt oxides. <i>Solid State Sciences</i> , 2013, 18, 98-104.	1.5	26
26	Graphite as a highly efficient and stable catalyst for the production of lactones. <i>Carbon</i> , 2013, 55, 269-275.	5.4	42
27	In situ PMMA-templating preparation and excellent catalytic performance of Co <sub>3</sub> O <sub>4</sub> /3DOM La <sub>0.6</sub> Sr <sub>0.4</sub> CoO <sub>3</sub> for toluene combustion. <i>Applied Catalysis A: General</i> , 2013, 458, 11-20.	2.2	67
28	A mini-review on solid superbase catalysts developed in the past two decades. <i>RSC Advances</i> , 2013, 3, 3799.	1.7	44
29	Preparation of magnetic Fe <sub>3</sub> O <sub>4</sub> /SiO <sub>2</sub> /Bi <sub>2</sub> WO <sub>6</sub> microspheres and their application in photocatalysis. <i>Materials Research Bulletin</i> , 2013, 48, 725-729.	2.7	32
30	Substantial Pretreatment Effect on CO Oxidation over Controllably Synthesized Au/FeO <sub>x</sub> Hollow Nanostructures via Hybrid Au/FeOOH@SiO <sub>2</sub> . <i>ACS Catalysis</i> , 2013, 3, 3099-3105.	5.5	23
31	Controllable synthesis, characterization, and growth mechanism of hollow Zn <sub>x</sub> Cd <sub>1-x</sub> S spheres generated by a one-step thermal evaporation method. <i>Chinese Physics B</i> , 2013, 22, 108101.	0.7	1
32	Synthesis and Structure of Organobismuth Chlorides and Triflates Containing (C,E)-Chelating Ligands (E=O, S) and Their Catalytic Application in the Allylation of Aldehydes with Tetraallyltin. <i>ChemPlusChem</i> , 2013, 78, 1363-1369.	1.3	11
33	Size dependence of the magnetic properties of Ni nanoparticles prepared by thermal decomposition method. <i>Nanoscale Research Letters</i> , 2013, 8, 446.	3.1	148
34	Strong Morphological Effect of Mn <sub>3</sub> O <sub>4</sub> Nanocrystallites on the Catalytic Activity of Mn <sub>3</sub> O <sub>4</sub> and Au/Mn <sub>3</sub> O <sub>4</sub> in Benzene Combustion. <i>Chemistry - A European Journal</i> , 2013, 19, 6480-6487.	1.7	92
35	Synthesis, Structure and Applications of Hypervalent Organoantimony Compounds Having Intramolecular E <sup>+</sup> Sb (E = N, O, S) Coordinations. <i>Current Organic Chemistry</i> , 2012, 16, 2462-2481.	0.9	25
36	A comparative study of bulk and 3DOM-structured Co <sub>3</sub> O <sub>4</sub> , Eu <sub>0.6</sub> Sr <sub>0.4</sub> FeO <sub>3</sub> , and Co <sub>3</sub> O <sub>4</sub> /Eu <sub>0.6</sub> Sr <sub>0.4</sub> FeO <sub>3</sub> : Preparation, characterization, and catalytic activities for toluene combustion. <i>Applied Catalysis A: General</i> , 2012, 447-448, 41-48.	2.2	47

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37	Low-Cost Polymer-Supported Quaternary Ammonium Salts as High-Efficiency Catalysts for Cycloaddition of CO <sub>2</sub> to Epoxides. <i>Catalysis Letters</i> , 2012, 142, 1376-1381.	1.4	34
38	Controllable synthesis of corrugated CdS nanoribbons of high quality by vapor-liquid-solid method. <i>CrystEngComm</i> , 2012, 14, 585-589.	1.3	11
39	Porous peanut-like Bi <sub>2</sub> O <sub>3</sub> /BiVO <sub>4</sub> composites with heterojunctions: one-step synthesis and their photocatalytic properties. <i>Dalton Transactions</i> , 2012, 41, 9513.	1.6	138
40	Preparation of Nanosized Silicalite-1 and Its Application in Vapor-Phase Beckmann Rearrangement of Cyclohexanone Oxime. <i>Industrial &amp; Engineering Chemistry Research</i> , 2012, 51, 9492-9499.	1.8	38
41	Cycloaddition of CO <sub>2</sub> to Epoxides Catalyzed by Carboxyl-Functionalized Imidazolium-Based Ionic Liquid Grafted onto Cross-Linked Polymer. <i>Industrial &amp; Engineering Chemistry Research</i> , 2012, 51, 3951-3957.	1.8	110
42	Hollow peanut-like m-BiVO <sub>4</sub> : facile synthesis and solar-light-induced photocatalytic property. <i>CrystEngComm</i> , 2012, 14, 4217.	1.3	59
43	Three-dimensional ordered macroporous bismuth vanadates: PMMA-templating fabrication and excellent visible light-driven photocatalytic performance for phenol degradation. <i>Nanoscale</i> , 2012, 4, 2317.	2.8	95
44	A mini-review on air-stable organometallic Lewis acids: synthesis, characterization, and catalytic application in organic synthesis. <i>RSC Advances</i> , 2012, 2, 10774.	1.7	54
45	Rod-, flower-, and dumbbell-like MnO <sub>2</sub> : Highly active catalysts for the combustion of toluene. <i>Applied Catalysis A: General</i> , 2012, 433-434, 206-213.	2.2	133
46	Controllable synthesis, characterization and photoluminescence properties of morphology-tunable CdS nanomaterials generated in thermal evaporation processes. <i>Applied Surface Science</i> , 2012, 258, 7343-7347.	3.1	15
47	Design, growth, and characterization of morphology-tunable Cd <sub>x</sub> Zn <sub>1-x</sub> S nanostructures generated by a one-step thermal evaporation process. <i>CrystEngComm</i> , 2012, 14, 4298.	1.3	17
48	Morphology-directed synthesis of Co <sub>3</sub> O <sub>4</sub> nanotubes based on modified Kirkendall effect and its application in CH <sub>4</sub> combustion. <i>Chemical Communications</i> , 2012, 48, 853-855.	2.2	116
49	Synthesis and Structure of Binuclear O-Bridged Organobismuth Complexes and Their Cooperative Catalytic Effect on CO <sub>2</sub> Fixation. <i>ChemPlusChem</i> , 2012, 77, 404-410.	1.3	29
50	Novel MgO/SnO <sub>2</sub> Solid Superbase as a High-Efficiency Catalyst for One-Pot Solvent-Free Synthesis of Polyfunctionalized 4H-pyran Derivatives. <i>Catalysis Letters</i> , 2012, 142, 608-614.	1.4	16
51	Facile synthesis of BiOCl nano-flowers of narrow band gap and their visible-light-induced photocatalytic property. <i>Catalysis Communications</i> , 2012, 23, 54-57.	1.6	80
52	Flower-like Bi <sub>2</sub> O <sub>2</sub> CO <sub>3</sub> : Facile synthesis and their photocatalytic application in treatment of dye-containing wastewater. <i>Chemical Engineering Journal</i> , 2012, 193-194, 123-130.	6.6	142
53	Ni-Co-Cu supported on pseudoboehmite-derived Al <sub>2</sub> O <sub>3</sub> : Highly efficient catalysts for the hydrogenation of organic functional groups. <i>Applied Catalysis A: General</i> , 2012, 425-426, 68-73.	2.2	20
54	Three-dimensionally ordered macroporous SrFeO <sub>3</sub> with high surface area: Active catalysts for the complete oxidation of toluene. <i>Applied Catalysis A: General</i> , 2012, 425-426, 153-160.	2.2	55

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55	Controlled preparation and high catalytic performance of three-dimensionally ordered macroporous LaMnO <sub>3</sub> with nanovoid skeletons for the combustion of toluene. <i>Journal of Catalysis</i> , 2012, 287, 149-160.	3.1	230
56	Fine-tunable Ni@porous silica core-shell nanocatalysts: Synthesis, characterization, and catalytic properties in partial oxidation of methane to syngas. <i>Journal of Catalysis</i> , 2012, 288, 54-64.	3.1	144
57	Hydrothermal fabrication and visible-light-driven photocatalytic properties of bismuth vanadate with multiple morphologies and/or porous structures for Methyl Orange degradation. <i>Journal of Environmental Sciences</i> , 2012, 24, 449-457.	3.2	85
58	An environmentally benign solvothermal method for the synthesis of nanostructured Cd <sub>5</sub> (OH) <sub>8</sub> (NO <sub>3</sub> ) <sub>2</sub> (H <sub>2</sub> O) <sub>2</sub> : templates for the generation of nanoporous CdO materials with photocatalytic properties. <i>Nanoscale</i> , 2011, 3, 1887.	2.8	7
59	Design and Synthesis of Novel Single-Crystalline Hierarchical CdS Nanostructures Generated by Thermal Evaporation Processes. <i>Crystal Growth and Design</i> , 2011, 11, 2172-2176.	1.4	37
60	Efficient Acrylic Acid Production through Bio Lactic Acid Dehydration over NaY Zeolite Modified by Alkali Phosphates. <i>ACS Catalysis</i> , 2011, 1, 32-41.	5.5	108
61	Effect of butterfly-shaped sulfur-bridged ligand and counter anions on the catalytic activity and diastereoselectivity of organobismuth complexes. <i>Dalton Transactions</i> , 2011, 40, 9482.	1.6	42
62	Solid sodium stannate as a high-efficiency superbase catalyst for anti-Markovnikov hydroamination and hydroalkoxylation of electron-deficient olefins under mild conditions. <i>Catalysis Communications</i> , 2011, 12, 712-716.	1.6	23
63	Solid superbase derived from lanthanum-magnesium composite oxide and its catalytic performance in the Knoevenagel condensation under solvent-free condition. <i>Catalysis Communications</i> , 2011, 12, 1333-1338.	1.6	33
64	Characteristic and Mechanism of Methane Dehydroaromatization over Zn-Based/HZSM-5 Catalysts under Conditions of Atmospheric Pressure and Supersonic Jet Expansion. <i>Journal of Physical Chemistry C</i> , 2011, 115, 16954-16962.	1.5	81
65	Preparation, characterization and photocatalytic activity of Bi <sub>2</sub> O <sub>3</sub> -MgO composites. <i>Materials Chemistry and Physics</i> , 2011, 125, 236-241.	2.0	43
66	Superbasic sodium stannate as catalyst for dehydrogenation, Michael addition and transesterification reactions. <i>Applied Catalysis A: General</i> , 2011, 406, 113-118.	2.2	19
67	Enhanced Low-Temperature Activity of Ag-Promoted Co-ZSM-5 for the CH <sub>4</sub> -SCR of NO. <i>Catalysis Letters</i> , 2011, 141, 207-212.	1.4	7
68	Synthesis and characterization of H-ZSM-5 zeolites and their catalytic performance in CH <sub>3</sub> Br conversion to aromatics. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2011, 103, 191-207.	0.8	13
69	Highly active and stable mesoporous Au/CeO <sub>2</sub> catalysts prepared from MCM-48 hard-template. <i>Microporous and Mesoporous Materials</i> , 2011, 142, 308-315.	2.2	47
70	Cs-modified iron nanoparticles encapsulated in microporous and mesoporous SiO <sub>2</sub> for CO <sub>x</sub> -free H <sub>2</sub> production via ammonia decomposition. <i>Catalysis Today</i> , 2011, 160, 79-86.	2.2	28
71	Core-shell structured nickel and ruthenium nanoparticles: Very active and stable catalysts for the generation of CO <sub>x</sub> -free hydrogen via ammonia decomposition. <i>Catalysis Today</i> , 2011, 164, 112-118.	2.2	52
72	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. <i>Journal of Organometallic Chemistry</i> , 2011, 696, 1579-1583.	0.8	42

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73	Synthesis of Propylene Carbonate from Carbon Dioxide and Propylene Oxide Using Zn-Mg-Al Composite Oxide as High-efficiency Catalyst. <i>Catalysis Letters</i> , 2010, 136, 35-44.	1.4	93
74	The Role of Active Sites of CoH-ZSM-5 Catalysts for the C <sub>2</sub> H <sub>4</sub> -SCR of NO. <i>Catalysis Letters</i> , 2010, 135, 182-189.	1.4	4
75	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. <i>Catalysis Letters</i> , 2010, 135, 295-304.	1.4	85
76	Surface Cobalt Silicate and CoO <sub>x</sub> Cluster Anchored to SBA-15: Highly Efficient for Cyclohexane Partial Oxidation. <i>Catalysis Letters</i> , 2010, 136, 20-27.	1.4	21
77	High-Efficiency Synthesis of Cyclic Carbonates from Epoxides and CO <sub>2</sub> over Hydroxyl Ionic Liquid Catalyst Grafted onto Cross-Linked Polymer. <i>Catalysis Letters</i> , 2010, 137, 74-80.	1.4	105
78	Highly Efficient and Selective Synthesis of $\alpha,\beta$ -Unsaturated Ketones by Crossed Condensation of Ketones and Aldehydes Catalyzed by an Air-Stable Cationic Organobismuth Perfluorooctanesulfonate. <i>Advanced Synthesis and Catalysis</i> , 2010, 352, 153-162.	2.1	54
79	Synthesis and structure of an air-stable organoantimony complex and its use as a catalyst for direct diastereoselective Mannich reactions in water. <i>Journal of Organometallic Chemistry</i> , 2010, 695, 1487-1492.	0.8	37
80	Air-stable hypervalent organobismuth(III) tetrafluoroborate as effective and reusable catalyst for the allylation of aldehyde with tetraallyltin. <i>Tetrahedron Letters</i> , 2010, 51, 153-156.	0.7	52
81	CrO <sub>x</sub> /nano-Ce <sub>0.60</sub> Zr <sub>0.35</sub> Y <sub>0.05</sub> O <sub>2</sub> catalysts that are highly selective for the oxidative dehydrogenation of isobutane to isobutene. <i>Applied Catalysis A: General</i> , 2010, 375, 272-278.	2.2	14
82	Ultrasound-assisted nanocasting fabrication and excellent catalytic performance of three-dimensionally ordered mesoporous chromia for the combustion of formaldehyde, acetone, and methanol. <i>Applied Catalysis B: Environmental</i> , 2010, 100, 229-237.	10.8	106
83	Core-shell structured microcapsular-like Ru@SiO <sub>2</sub> reactor for efficient generation of CO <sub>x</sub> -free hydrogen through ammonia decomposition. <i>Chemical Communications</i> , 2010, 46, 5298.	2.2	71
84	Core-shell structured iron nanoparticles for the generation of CO <sub>x</sub> -free hydrogen via ammonia decomposition. <i>Catalysis Communications</i> , 2010, 11, 368-372.	1.6	46
85	Facile separation catalyst system: direct diastereoselective synthesis of $\alpha,\beta$ -unsaturated ketones catalyzed by an air-stable Lewis acidic/basic bifunctional organobismuth complex in ionic liquids. <i>Green Chemistry</i> , 2010, 12, 1767.	4.6	38
86	Template-free synthesis of high surface area single-crystalline lanthanum hydroxide nanorods via a low-temperature solution route. <i>Materials Letters</i> , 2009, 63, 632-634.	1.3	23
87	Cyclohexane Oxidation Over Size-Uniform Au Nanoparticles (SBA-15 hosted) in a Continuously Stirred Tank Reactor Under Mild Conditions. <i>Catalysis Letters</i> , 2009, 129, 303-311.	1.4	34
88	Redox Properties of Cobalt Nitrides for NO Dissociation and Reduction. <i>Catalysis Letters</i> , 2009, 130, 63-71.	1.4	17
89	A Study on the Relationship Between Low-Temperature Reducibility and Catalytic Performance of Single-Crystalline La <sub>0.6</sub> Sr <sub>0.4</sub> MnO <sub>3</sub> + $\delta$ Microcubes for Toluene Combustion. <i>Catalysis Letters</i> , 2009, 130, 622-629.	1.4	13
90	Cationic organobismuth complex as an effective catalyst for conversion of CO <sub>2</sub> into cyclic carbonates. <i>Frontiers of Environmental Science and Engineering in China</i> , 2009, 3, 32-37.	0.8	16

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91	Hydrothermally fabricated single-crystalline strontium-substituted lanthanum manganite microcubes for the catalytic combustion of toluene. <i>Journal of Molecular Catalysis A</i> , 2009, 299, 60-67.	4.8	72
92	Synthesis, structure, and in vitro antiproliferative activity of cyclic hypervalent organobismuth(III) chlorides and their triphenylgermylpropionate derivatives. <i>Journal of Organometallic Chemistry</i> , 2009, 694, 3019-3026.	0.8	48
93	Synthesis and structure of an air-stable hypervalent organobismuth (III) perfluorooctanesulfonate and its use as high-efficiency catalyst for Mannich-type reactions in water. <i>Journal of Organometallic Chemistry</i> , 2009, 694, 3559-3564.	0.8	45
94	Binary Cr-Mo oxide catalysts supported on MgO-coated polyhedral three-dimensional mesoporous SBA-16 for the oxidative dehydrogenation of iso-butane. <i>Applied Catalysis A: General</i> , 2009, 354, 72-81.	2.2	18
95	The direct transformation of carbon dioxide to organic carbonates over heterogeneous catalysts. <i>Applied Catalysis A: General</i> , 2009, 366, 2-12.	2.2	313
96	Catalytic conversion of CH <sub>3</sub> Br to aromatics over PbO-modified HZSM-5. <i>Applied Catalysis A: General</i> , 2009, 367, 99-107.	2.2	31
97	Preparation, characterization, and catalytic properties of Nd <sub>1-x</sub> Sr <sub>x</sub> Cu <sub>1-x</sub> Co <sub>4x</sub> O <sub>4+δ</sub> and Sm <sub>1.8</sub> Ce <sub>0.2</sub> Cu <sub>1-x</sub> Co <sub>4x</sub> O <sub>4+δ</sub> (x=0, 0.2 and 0.4) for methane combustion. <i>Applied Catalysis B: Environmental</i> , 2009, 89, 87-96.	10.8	48
98	In situ hydrothermally synthesized mesoporous LaCoO <sub>3</sub> /SBA-15 catalysts: High activity for the complete oxidation of toluene and ethyl acetate. <i>Applied Catalysis A: General</i> , 2009, 352, 43-49.	2.2	77
99	Preparation, characterization, and catalytic activity of chromia supported on SBA-15 for the oxidative dehydrogenation of isobutane. <i>Applied Catalysis A: General</i> , 2009, 355, 192-201.	2.2	55
100	Novel Photoluminescence Properties of Magnetic Fe/ZnO Composites: Self-Assembled ZnO Nanospikes on Fe Nanoparticles Fabricated by Hydrothermal Method. <i>Journal of Physical Chemistry C</i> , 2009, 113, 21269-21273.	1.5	43
101	Single-Crystalline La <sub>0.6</sub> Sr <sub>0.4</sub> CoO <sub>3-δ</sub> Nanowires/Nanorods Derived Hydrothermally Without the Use of a Template: Catalysts Highly Active for Toluene Complete Oxidation. <i>Catalysis Letters</i> , 2008, 123, 294-300.	1.4	32
102	Bismuth Subnitrate as an Efficient Heterogeneous Catalyst for Acetalization and Ketalization of Carbonyl Compounds with Diols. <i>Catalysis Letters</i> , 2008, 124, 127-132.	1.4	24
103	MgO-modified VO <sub>x</sub> /SBA-15 as catalysts for the oxidative dehydrogenation of n-butane. <i>Catalysis Today</i> , 2008, 131, 450-456.	2.2	25
104	ZnBr <sub>2</sub> -Ph <sub>4</sub> PI as highly efficient catalyst for cyclic carbonates synthesis from terminal epoxides and carbon dioxide. <i>Applied Catalysis A: General</i> , 2008, 341, 106-111.	2.2	136
105	A Comparison Study on the Structure and Performance of MoVâ€‘O and MoVâ€‘Teâ€‘O Catalysts Synthesized Hydrothermally with Ultrasonic Pretreatment for Propane Oxidation. <i>Catalysis Letters</i> , 2008, 124, 288-296.	1.4	6
106	Characterization and evaluation of MoVTen mixed metal oxide catalysts fabricated via hydrothermal process with ultrasonic pretreatment for propane partial oxidation. <i>Journal of Catalysis</i> , 2008, 253, 57-65.	3.1	39
107	Hydrothermal synthesis of stable mesoporous ZrO <sub>2</sub> -Y <sub>2</sub> O <sub>3</sub> and CeO <sub>2</sub> -ZrO <sub>2</sub> -Y <sub>2</sub> O <sub>3</sub> from simple inorganic salts and CTAB template in aqueous medium. <i>Materials Chemistry and Physics</i> , 2008, 107, 132-136.	2.0	33
108	Density Functional Theory Study of CsC <sub>n</sub> <sup>+</sup> (n = 1-10) Clusters. <i>Journal of Physical Chemistry A</i> , 2008, 112, 12456-12462.	1.1	11

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109	Preparation and High Performance of $\text{La}_{2}\text{O}_{3}\text{V}_{2}\text{O}_{5}$ /MCM-41 Catalysts for Ethylbenzene Dehydrogenation in the Presence of $\text{CO}_{2}$ . Journal of Physical Chemistry C, 2008, 112, 15490-15501.	1.5	50
110	The effect of nitrogen incorporation on the magnetic properties of carbon-doped ZnO. Journal Physics D: Applied Physics, 2008, 41, 155005.	1.3	37
111	Strontium-Doped Lanthanum Cobaltite and Manganite: Highly Active Catalysts for Toluene Complete Oxidation. Industrial & Engineering Chemistry Research, 2008, 47, 8175-8183.	1.8	110
112	Synthesis and abnormal photoluminescence of core/shell structured $\text{Fe}\cdot\text{ZnO}$ nanoparticles. Journal of Applied Physics, 2008, 103, 07D520.	1.1	2
113	Facile Route Using Highly Arrayed PMMA Spheres as Hard Template for the Fabrication of 3D Ordered Nanoporous $\text{MgO}$ . Chinese Journal of Chemical Physics, 2007, 20, 697-700.	0.6	1
114	Deep Desulfurization by the Adsorption Process of Fluidized Catalytic Cracking (FCC) Diesel over Mesoporous $\text{Al}\cdot\text{MCM-41}$ Materials. Energy & Fuels, 2007, 21, 250-255.	2.5	71
115	Parity Alternation of Ground-State $\text{Pn-}$ and $\text{Pn+}$ ( $n = 3\sim 15$ ) Phosphorus Clusters. Journal of Physical Chemistry A, 2007, 111, 216-222.	1.1	17
116	Large Room-Temperature Tunneling Magnetoresistance of $\text{Ba}_{2}\text{FeMoO}_{6}$ Bulrush-Like Double Perovskite. IEEE Transactions on Magnetics, 2007, 43, 3079-3081.	1.2	8
117	Oxidative dehydrogenation of n-butane over mesoporous $\text{VO}_{x}$ /SBA-15 catalysts. Catalysis Letters, 2007, 113, 147-154.	1.4	61
118	A Density Functional Study on Beryllium-Doped Carbon Dianion Clusters $\text{C}_{n}\text{Be}_{2}$ ( $n = 4\sim 14$ ). Journal of Physical Chemistry A, 2006, 110, 4502-4508.	1.1	10
119	Nanosized Ru on high-surface-area superbasic $\text{ZrO}_{2}\text{-KOH}$ for efficient generation of hydrogen via ammonia decomposition. Applied Catalysis A: General, 2006, 301, 202-210.	2.2	74
120	A comparison study on the partial oxidation of n-butane and propane over VPO catalysts supported on SBA-15, MCM-41, and fumed $\text{SiO}_{2}$ . Applied Catalysis A: General, 2006, 306, 8-16.	2.2	37
121	Investigation on Reverse Water-gas Shift over $\text{La}_{2}\text{NiO}_{4}$ Catalyst by Cw-cavity Enhanced Absorption Spectroscopy During $\text{CH}_{4}/\text{CO}_{2}$ Reforming. Catalysis Letters, 2006, 108, 37-44.	1.4	19
122	The partial oxidation of $\text{C}_{4}\sim\text{C}_{6}$ alkanes to maleic anhydride, 2-methyl maleic anhydride, and acetic acid over $\text{MoVO}$ catalysts. Catalysis Letters, 2006, 111, 103-109.	1.4	3
123	Methane dehydrogenation and aromatization over 4wt% Mn/HZSM-5 in the absence of an oxidant. Catalysis Letters, 2006, 112, 239-245.	1.4	32
124	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
125	Tunnelling magnetoresistance of double perovskite $\text{Sr}_{2}\text{FeMoO}_{6}$ enhanced by grain boundary adjustment. Nanotechnology, 2006, 17, 250-256.	1.3	37
126	A density functional study on nitrogen-doped carbon clusters $\text{C}_{n}\text{N}_{3}$ ( $n = 1\sim 8$ ). Journal of Chemical Physics, 2004, 121, 11661-11667.	1.2	11



#	ARTICLE	IF	CITATIONS
127	Nano Ru/CNTs: a highly active and stable catalyst for the generation of CO-free hydrogen in ammonia decomposition. <i>Applied Catalysis B: Environmental</i> , 2004, 48, 237-241.	10.8	211
128	Magnetocaloric effect in ordered double-perovskite $\text{Ba}_2\text{FeMoO}_6$ synthesized using wet chemistry. <i>European Physical Journal B</i> , 2004, 41, 213-217.	0.6	13
129	Investigation on the catalysis of CO <sub>x</sub> -free hydrogen generation from Ammonia. <i>Journal of Catalysis</i> , 2004, 224, 384-396.	3.1	382
130	The relationship of structural defect "redox property" catalytic performance of perovskites and their related compounds for CO and NO <sub>x</sub> removal. <i>Catalysis Today</i> , 2004, 90, 231-244.	2.2	58
131	Theoretical Study of Arsenic-Doped Carbon Clusters $\text{C}_n\text{As}$ - ( $n = 1 \sim 11$ ). <i>Journal of Physical Chemistry A</i> , 2004, 108, 5704-5709.	1.1	16
132	A comparison of two-layered $\text{La}_{2.52}\text{K}_{0.52}\text{Mn}_2\text{O}_7$ and $\text{La}_{1-x}\text{K}_x\text{MnO}_3$ polycrystals for the magnetoresistance effect. <i>Physica Status Solidi A</i> , 2003, 195, 440-446.	1.7	3
133	Density Functional Study of the Structures and Energies of $\text{C}_n\text{P}_3$ - ( $n = 2 \sim 8$ ) Clusters. <i>Journal of Physical Chemistry A</i> , 2003, 107, 10111-10117.	1.1	7
134	Computer simulation of derivative TPD. <i>Thermochimica Acta</i> , 1996, 274, 289-301.	1.2	6
135	Pulse studies of CH <sub>4</sub> interaction with NiO/Al <sub>2</sub> O <sub>3</sub> catalysts. <i>Catalysis Letters</i> , 1994, 27, 199-206.	1.4	44
136	Oxidative coupling of methane over LaF <sub>3</sub> /La <sub>2</sub> O <sub>3</sub> catalysts. <i>Catalysis Letters</i> , 1994, 23, 377-386.	1.4	10
137	The promotion of surface-catalysed reactions by gaseous additives. The role of a surface oxygen transient. <i>Journal of the Chemical Society Faraday Transactions I</i> , 1987, 83, 2047.	1.0	56
138	Specific role of transient $\text{O}^{\sim}(s)$ at Mg(0001) surfaces in activation of ammonia by dioxygen and nitrous oxide. <i>Nature</i> , 1986, 319, 206-208.	13.7	62
139	Chemisorption of oxygen at Ag(110) surfaces and its role in adsorbate activation. <i>Journal of the Chemical Society Faraday Transactions I</i> , 1983, 79, 1779.	1.0	56