

Bo-Qing Xu

List of Publications by Year in Descending Order

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

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|--------------------|-------------------------|----------------|-----------------|
| 116 papers | 6,870 citations | 48 h-index | 80 g-index |
| 118 ext. papers | 7,313 ext. citations | 6.3 avg, IF | 6.02 L-index |

| # | Paper | IF | Citations |
|-----|--|------|-----------|
| 116 | Solvothermal Synthesis of Nanostructured Pt ₃ Ni Tetrahedrons with Enhanced Platinum Utilization and Activity toward Oxygen Reduction Electrocatalysis. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 27199-27206 | 3.8 | 206 |
| 115 | Engineering Pt Nanoparticles with Fe and N Codoped Carbon to Boost Oxygen Reduction Catalytic Performance in Acidic Electrolyte. <i>Energy Technology</i> , 2020 , 8, 2000393 | 3.5 | 3 |
| 114 | Mononuclear Fe in N-doped carbon: computational elucidation of active sites for electrochemical oxygen reduction and oxygen evolution reactions. <i>Catalysis Science and Technology</i> , 2020 , 10, 1006-1014 | 5.5 | 18 |
| 113 | Acrylic Acid Production by Gas-Phase Dehydration of Lactic Acid over K ⁺ -Exchanged ZSM-5: Reaction Variable Effects, Kinetics, and New Evidence for Cooperative Acid-Base Bifunctional Catalysis. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 17417-17428 | 3.9 | 8 |
| 112 | Comparative study of gas-phase dehydration of alkyl lactates and lactic acid for acrylic acid production over hydroxyapatite catalysts. <i>Molecular Catalysis</i> , 2020 , 494, 111098 | 3.3 | 5 |
| 111 | Removal of Residual Poly(vinylpyrrolidone) from Gold Nanoparticles Immobilized on SiO ₂ by Ultraviolet-Ozone Treatment. <i>ACS Applied Nano Materials</i> , 2019 , 2, 5720-5729 | 5.6 | 3 |
| 110 | Core@shell nanostructured Au@NiPt for electrochemical oxygen reduction reaction: effect of the core size and shell thickness. <i>Catalysis Science and Technology</i> , 2019 , 9, 4668-4677 | 5.5 | 10 |
| 109 | Silk-Derived Highly Active Oxygen Electrocatalysts for Flexible and Rechargeable Zn-Air Batteries. <i>Chemistry of Materials</i> , 2019 , 31, 1023-1029 | 9.6 | 65 |
| 108 | Nonpyrolyzed Fe-N Coordination-Based Iron Triazolate Framework: An Efficient and Stable Electrocatalyst for Oxygen Reduction Reaction. <i>ChemSusChem</i> , 2019 , 12, 200-207 | 8.3 | 18 |
| 107 | Noble-metal efficient Pt-Ir-Co/SiO ₂ catalyst for selective hydrogenolytic ring opening of methylcyclopentane. <i>Catalysis Today</i> , 2018 , 316, 162-170 | 5.3 | 6 |
| 106 | Do Olefin Hydrogenation Reactions Remain Structure Insensitive over Pt in Nanostructured Pt-on-Au Catalyst?. <i>ACS Catalysis</i> , 2018 , 8, 10254-10260 | 13.1 | 10 |
| 105 | Potassium-Ion-Exchanged Zeolites for Sustainable Production of Acrylic Acid by Gas-Phase Dehydration of Lactic Acid. <i>ACS Catalysis</i> , 2017 , 7, 538-550 | 13.1 | 33 |
| 104 | Water effects on the acidic property of typical solid acid catalysts by 3,3-dimethylbut-1-ene isomerization and 2-propanol dehydration reactions. <i>Catalysis Today</i> , 2017 , 295, 110-118 | 5.3 | 15 |
| 103 | Transfer hydrogenation of cinnamaldehyde with 2-propanol on Al ₂ O ₃ and SiO ₂ /Al ₂ O ₃ catalysts: role of Lewis and Brønsted acidic sites. <i>Catalysis Science and Technology</i> , 2017 , 7, 4511-4519 | 5.5 | 23 |
| 102 | NaOH alone can be a homogeneous catalyst for selective aerobic oxidation of alcohols in water. <i>Journal of Catalysis</i> , 2017 , 353, 37-43 | 7.3 | 13 |
| 101 | CO ₂ reforming of methane over coke-resistant Ni ₃ Co/Si ₃ N ₄ catalyst prepared via reactions between silicon nitride and metal halides. <i>Catalysis Communications</i> , 2016 , 73, 54-57 | 3.2 | 16 |
| 100 | Core@shell Nanostructured Au@NiPt ₂ Electrocatalysts with Enhanced Activity and Durability for Oxygen Reduction Reaction. <i>ACS Catalysis</i> , 2016 , 6, 1680-1690 | 13.1 | 67 |

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| 99 | Pd-on-Si catalysts prepared via galvanic displacement for the selective hydrogenation of para-chloronitrobenzene. <i>Chemical Communications</i> , 2016 , 52, 3026-9 | 5.8 | 26 |
| 98 | Sustainable production of acrylic acid: Rb+- and Cs+-exchanged Beta zeolite catalysts for catalytic gas-phase dehydration of lactic acid. <i>Catalysis Today</i> , 2016 , 269, 65-73 | 5.3 | 21 |
| 97 | PtFeOx/SiO2 catalysts prepared by galvanic displacement show high selectivity for cinnamyl alcohol production in the chemoselective hydrogenation of cinnamaldehyde. <i>Catalysis Science and Technology</i> , 2016 , 6, 7033-7037 | 5.5 | 25 |
| 96 | 3D Quantification of Low-Coordinate Surface Atom Density: Bridging Catalytic Activity to Concave Facets of Nanocatalysts in Fuel Cells. <i>Small</i> , 2016 , 12, 6332-6337 | 11 | 4 |
| 95 | Is Ammonium Peroxydisulfate Indispensable for Preparation of Aniline-Derived Iron-Nitrogen-Carbon Electrocatalysts?. <i>ChemSusChem</i> , 2016 , 9, 2301-6 | 8.3 | 14 |
| 94 | Acid-base property of the supporting material controls the selectivity of Au catalyst for glycerol oxidation in base-free water. <i>Chinese Journal of Catalysis</i> , 2015 , 36, 1543-1551 | 11.3 | 27 |
| 93 | Sustainable production of acrolein: effects of reaction variables, modifiers doping and ZrO2 origin on the performance of WO3/ZrO2 catalyst for the gas-phase dehydration of glycerol. <i>RSC Advances</i> , 2014 , 4, 4619-4630 | 3.7 | 23 |
| 92 | Mesoporous carbon material co-doped with nitrogen and iron (Fe/N/C): high-performance cathode catalyst for oxygen reduction reaction in alkaline electrolyte. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 8617-8622 | 13 | 80 |
| 91 | Visible-light-driven MWCNT@TiO2 core-shell nanocomposites and the roles of MWCNTs on the surface chemistry, optical properties and reactivity in CO2 photoreduction. <i>RSC Advances</i> , 2014 , 4, 24007-24013 | 7.7 | 35 |
| 90 | Impacts of Organic Stabilizers on Catalysis of Au Nanoparticles from Colloidal Preparation. <i>ACS Catalysis</i> , 2014 , 4, 3982-3993 | 13.1 | 72 |
| 89 | Sustainable production of acrolein: Catalytic gas-phase dehydration of glycerol over dispersed tungsten oxides on alumina, zirconia and silica. <i>Catalysis Today</i> , 2014 , 234, 215-222 | 5.3 | 33 |
| 88 | Comparison of gas-phase dehydration of propane polyols over solid acid/base catalysts. <i>Catalysis Today</i> , 2014 , 234, 237-244 | 5.3 | 11 |
| 87 | Specific Selectivity of Au-Catalyzed Oxidation of Glycerol and Other C3-Polyols in Water without the Presence of a Base. <i>ACS Catalysis</i> , 2014 , 4, 2226-2230 | 13.1 | 111 |
| 86 | Sustainable production of acrylic acid: alkali-ion exchanged beta zeolite for gas-phase dehydration of lactic acid. <i>ChemSusChem</i> , 2014 , 7, 1568-78 | 8.3 | 45 |
| 85 | Sustainable Production of Acrylic Acid: Catalytic Performance of Hydroxyapatites for Gas-Phase Dehydration of Lactic Acid. <i>ACS Catalysis</i> , 2014 , 4, 1931-1943 | 13.1 | 80 |
| 84 | Spontaneous formation of giant vesicles with tunable sizes based on jellyfish-like graft copolymers. <i>RSC Advances</i> , 2014 , 4, 59323-59330 | 3.7 | 3 |
| 83 | A milestone in methane conversion. <i>National Science Review</i> , 2014 , 1, 325-326 | 10.8 | 6 |
| 82 | Stabilizer substitution and its effect on the hydrogenation catalysis by Au nanoparticles from colloidal synthesis. <i>Catalysis Science and Technology</i> , 2013 , 3, 3013 | 5.5 | 33 |

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|----|--|------|-----|
| 81 | Catalytic Pd-on-Au nanostructures with improved Pd activity for formic acid electro-oxidation. <i>RSC Advances</i> , 2013 , 3, 1748 | 3.7 | 11 |
| 80 | Performance of polyaniline-derived Fe-N-C catalysts for oxygen reduction reaction in alkaline electrolyte. <i>Chinese Journal of Catalysis</i> , 2013 , 34, 1992-1997 | 11.3 | 24 |
| 79 | Sustainable production of acrolein: catalytic performance of hydrated tantalum oxides for gas-phase dehydration of glycerol. <i>Green Chemistry</i> , 2013 , 15, 696 | 10 | 56 |
| 78 | Effects of support pre-calcination on the NO _x storage and reduction performance of PtBaO/Al ₂ O ₃ catalysts. <i>Catalysis Science and Technology</i> , 2013 , 3, 2062 | 5.5 | 15 |
| 77 | Nano-size effect of Au catalyst for electrochemical reduction of oxygen in alkaline electrolyte. <i>Chinese Journal of Catalysis</i> , 2013 , 34, 942-948 | 11.3 | 14 |
| 76 | Catalytic Pt-on-Au nanostructures: why Pt becomes more active on smaller Au particles. <i>ACS Nano</i> , 2012 , 6, 2226-36 | 16.7 | 151 |
| 75 | An exceptionally active and selective Pt ^{Au} /TiO ₂ catalyst for hydrogenation of the nitro group in chloronitrobenzene. <i>Green Chemistry</i> , 2012 , 14, 111-116 | 10 | 63 |
| 74 | Nanocomposite Ni/ZrO ₂ : Highly active and stable catalyst for H ₂ production via cyclic stepwise methane reforming reactions. <i>International Journal of Hydrogen Energy</i> , 2012 , 37, 11735-11747 | 6.7 | 25 |
| 73 | A general template for synthesis of hollow microsphere with well-defined structure. <i>Journal of Applied Polymer Science</i> , 2012 , 128, n/a-n/a | 2.9 | 1 |
| 72 | Fully dispersed Pt entities on nano-Au dramatically enhance the activity of gold for chemoselective hydrogenation catalysis. <i>Chemical Communications</i> , 2011 , 47, 1300-2 | 5.8 | 46 |
| 71 | Vital roles of hydroxyl groups and gold oxidation states in Au/ZrO ₂ catalysts for 1,3-butadiene hydrogenation. <i>Journal of Catalysis</i> , 2011 , 279, 75-87 | 7.3 | 65 |
| 70 | Carbon-supported Pt ^{Ag} nanostructures as cathode catalysts for oxygen reduction reaction. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 3863-72 | 3.6 | 57 |
| 69 | Synergy between Pt and Au in Pt-on-Au Nanostructures for Chemoselective Hydrogenation Catalysis. <i>ACS Catalysis</i> , 2011 , 1, 1336-1346 | 13.1 | 113 |
| 68 | Surprisingly strong effect of stabilizer on the properties of Au nanoparticles and Pt ^{Au} nanostructures in electrocatalysis. <i>Nanoscale</i> , 2010 , 2, 2798-804 | 7.7 | 57 |
| 67 | Promotion by hydrous ruthenium oxide of platinum for methanol electro-oxidation. <i>Journal of Catalysis</i> , 2010 , 275, 34-44 | 7.3 | 56 |
| 66 | Dealloyed carbon-supported PtAg nanostructures: Enhanced electrocatalytic activity for oxygen reduction reaction. <i>Electrochemistry Communications</i> , 2010 , 12, 1191-1194 | 5.1 | 39 |
| 65 | Characteristics of low platinum PtBaO catalysts for NO _x storage and reduction. <i>Catalysis Today</i> , 2010 , 153, 103-110 | 5.3 | 15 |
| 64 | Sustainable production of acrolein: Acidic binary metal oxide catalysts for gas-phase dehydration of glycerol. <i>Catalysis Today</i> , 2010 , 158, 310-316 | 5.3 | 70 |

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| 63 | Comparison of catalytic combustion of carbon monoxide and formaldehyde over Au/ZrO ₂ catalysts. <i>Catalysis Today</i> , 2010 , 158, 415-422 | 5.3 | 46 |
| 62 | NO _x storage and reduction performance of Pt ₁ Ti _{0.9} BaO/Al ₂ O ₃ catalysts: Effects of cobalt loading and calcination temperature. <i>Catalysis Today</i> , 2010 , 158, 432-438 | 5.3 | 11 |
| 61 | Coprecipitation synthesis and optical absorption property of Zn ₂ Ti _x Sn _{1-x} O ₄ (0 ≤ x ≤ 1) solid solutions. <i>Journal of Materials Science</i> , 2009 , 44, 919-925 | 4.3 | 5 |
| 60 | Performance Improvement of NO _x -Storage BaO/Al ₂ O ₃ by Using Barium Peroxide as the Precursor of BaO. <i>Catalysis Letters</i> , 2009 , 132, 189-196 | 2.8 | 4 |
| 59 | Durable Ni/MgO catalysts for CO ₂ reforming of methane: Activity and metal-support interaction. <i>Journal of Molecular Catalysis A</i> , 2009 , 299, 44-52 | | 191 |
| 58 | Sustainable production of acrolein: Preparation and characterization of zirconia-supported 12-tungstophosphoric acid catalyst for gas-phase dehydration of glycerol. <i>Applied Catalysis A: General</i> , 2009 , 353, 213-222 | 5.1 | 116 |
| 57 | Manipulation of Pt-Ag Nanostructures for Advanced Electrocatalyst. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 1242-1250 | 3.8 | 58 |
| 56 | Pt Flecks on Colloidal Au (Pt-Au) as Nanostructured Anode Catalysts for Electrooxidation of Formic Acid. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 20903-20911 | 3.8 | 59 |
| 55 | A key to the storage stability of Au/TiO ₂ catalyst. <i>Physical Chemistry Chemical Physics</i> , 2008 , 10, 6399-4006 | 4.6 | 28 |
| 54 | Immobilized PVA-stabilized gold nanoparticles on silica show an unusual selectivity in the hydrogenation of cinnamaldehyde. <i>Catalysis Communications</i> , 2008 , 9, 1949-1954 | 3.2 | 51 |
| 53 | Gold Nano-size Effect in Au/SiO ₂ for Selective Ethanol Oxidation in Aqueous Solution. <i>Catalysis Letters</i> , 2008 , 124, 238-242 | 2.8 | 63 |
| 52 | Synthesis and aggregation behavior of chitooligosaccharide-based biodegradable graft copolymers. <i>Journal of Polymer Science Part A</i> , 2008 , 46, 4889-4904 | 2.5 | 10 |
| 51 | Proper alloying of Pt with underlying Ag nanoparticles leads to dramatic activity enhancement of Pt electrocatalyst. <i>Electrochemistry Communications</i> , 2008 , 10, 884-887 | 5.1 | 41 |
| 50 | Effects of preparation methods of ZrO ₂ support on catalytic performances of Ni/ZrO ₂ catalysts in methane partial oxidation to syngas. <i>Applied Catalysis A: General</i> , 2008 , 337, 19-28 | 5.1 | 66 |
| 49 | Sustainable production of acrolein: gas-phase dehydration of glycerol over 12-tungstophosphoric acid supported on ZrO ₂ and SiO ₂ . <i>Green Chemistry</i> , 2008 , 10, 1087 | 10 | 142 |
| 48 | A Crucial Step to Platinum Nanocrystals with Special Surfaces: Control of Aquo/Chloro Ligand Exchange in Aqueous PtCl ₆ ²⁻ Solution. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 18563-18567 | 3.8 | 22 |
| 47 | Synthesis of chloroanilines: selective hydrogenation of the nitro in chloronitrobenzenes over zirconia-supported gold catalyst. <i>Green Chemistry</i> , 2007 , 9, 849 | 10 | 106 |
| 46 | Efficient H ₂ Production via Stepwise Steam Reforming of Methane Using Nanocomposite Ni/ZrO ₂ Catalyst. <i>Studies in Surface Science and Catalysis</i> , 2007 , 172, 473-476 | 1.8 | 5 |

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| 45 | Performance Control of Hydrogenation Catalysis by Tuning the Percentage of Cationic Gold in Au/ZrO ₂ Catalyst. <i>Studies in Surface Science and Catalysis</i> , 2007 , 172, 481-484 | 1.8 | 1 |
| 44 | Solvothermal synthesis of TiO ₂ : anatase nanocrystals and rutile nanofibres from TiCl ₄ in acetone. <i>Applied Organometallic Chemistry</i> , 2007 , 21, 146-149 | 3.1 | 12 |
| 43 | Formation of 2,3-diaminophenazines and their self-assembly into nanobelts in aqueous medium. <i>European Polymer Journal</i> , 2007 , 43, 3703-3709 | 5.2 | 34 |
| 42 | Comparative study of Au/ZrO ₂ catalysts in CO oxidation and 1,3-butadiene hydrogenation. <i>Catalysis Today</i> , 2007 , 122, 330-337 | 5.3 | 85 |
| 41 | Carbon nanotube supported Pt electrodes for methanol oxidation: A comparison between multi- and single-walled carbon nanotubes. <i>Journal of Power Sources</i> , 2007 , 174, 148-158 | 8.9 | 151 |
| 40 | Sustainable production of acrolein: Gas-phase dehydration of glycerol over Nb ₂ O ₅ catalyst. <i>Journal of Catalysis</i> , 2007 , 250, 342-349 | 7.3 | 225 |
| 39 | Sustainable production of acrolein: investigation of solid acid/base catalysts for gas-phase dehydration of glycerol. <i>Green Chemistry</i> , 2007 , 9, 1130 | 10 | 304 |
| 38 | Single-phase titania nanocrystallites and nanofibers from titanium tetrachloride in acetone and other ketones. <i>Inorganic Chemistry</i> , 2007 , 46, 5093-9 | 5.1 | 25 |
| 37 | Enhancement of Pt utilization in electrocatalysts by using gold nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 4955-9 | 16.4 | 196 |
| 36 | Shape-controlled synthesis of Pt nanocrystals: an evolution of the tetrahedral shape. <i>Applied Organometallic Chemistry</i> , 2006 , 20, 638-647 | 3.1 | 30 |
| 35 | Enhancement of Pt Utilization in Electrocatalysts by Using Gold Nanoparticles. <i>Angewandte Chemie</i> , 2006 , 118, 5077-5081 | 3.6 | 38 |
| 34 | Platinum covering of gold nanoparticles for utilization enhancement of Pt in electrocatalysts. <i>Physical Chemistry Chemical Physics</i> , 2006 , 8, 5106-14 | 3.6 | 75 |
| 33 | Cataluminescence and catalytic reactions of ethanol oxidation over nanosized Ce _{1-x} Zr _x O ₂ (0 ≤ x ≤ 1) catalysts. <i>Catalysis Communications</i> , 2006 , 7, 589-592 | 3.2 | 14 |
| 32 | Electro-catalytic oxidation of CO on Pt catalyst supported on carbon nanotubes pretreated with oxidative acids. <i>Carbon</i> , 2006 , 44, 2973-2983 | 10.4 | 89 |
| 31 | Nanosized Ru on high-surface-area superbasic ZrO ₂ -KOH for efficient generation of hydrogen via ammonia decomposition. <i>Applied Catalysis A: General</i> , 2006 , 301, 202-210 | 5.1 | 56 |
| 30 | Methanol electrooxidation on Pt particles dispersed into PANI/SWNT composite films. <i>Journal of Power Sources</i> , 2006 , 155, 118-127 | 8.9 | 117 |
| 29 | Remarkable nanosize effect of zirconia in Au/ZrO ₂ catalyst for CO oxidation. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 9678-83 | 3.4 | 157 |
| 28 | Preparation and photocatalytic activity of ZnO/TiO ₂ /SnO ₂ mixture. <i>Journal of Solid State Chemistry</i> , 2005 , 178, 3500-3506 | 3.3 | 156 |

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|----|--|------|-----|
| 27 | Remarkable support effect of SWNTs in Pt catalyst for methanol electrooxidation. <i>Electrochemistry Communications</i> , 2005 , 7, 1237-1243 | 5.1 | 261 |
| 26 | Polyaniline-carbon composite films as supports of Pt and PtRu particles for methanol electrooxidation. <i>Carbon</i> , 2005 , 43, 2579-2587 | 10.4 | 139 |
| 25 | Preparation and characterization of nanosized anatase TiO ₂ cuboids for photocatalysis. <i>Applied Catalysis B: Environmental</i> , 2005 , 59, 139-146 | 21.8 | 103 |
| 24 | Catalysis by gold: isolated surface Au ³⁺ ions are active sites for selective hydrogenation of 1,3-butadiene over Au/ZrO ₂ catalysts. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 7132-5 | 16.4 | 274 |
| 23 | Catalysis by Gold: Isolated Surface Au ³⁺ Ions are Active Sites for Selective Hydrogenation of 1,3-Butadiene over Au/ZrO ₂ Catalysts. <i>Angewandte Chemie</i> , 2005 , 117, 7294-7297 | 3.6 | 48 |
| 22 | Performance of Ni/MgO/AN catalyst in high pressure CO ₂ reforming of methane. <i>Topics in Catalysis</i> , 2005 , 32, 109-116 | 2.3 | 25 |
| 21 | Comparative study of atmospheric and high pressure CO ₂ reforming of methane over Ni/MgO-AN catalyst. <i>Catalysis Letters</i> , 2005 , 99, 89-96 | 2.8 | 19 |
| 20 | Effect of electrochemical polarization of PtRu/C catalysts on methanol electrooxidation. <i>Electrochimica Acta</i> , 2004 , 50, 1-10 | 6.7 | 202 |
| 19 | Enhanced photocatalytic performance of nanosized coupled ZnO/SnO ₂ photocatalysts for methyl orange degradation. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2004 , 168, 47-52 | 4.7 | 225 |
| 18 | Synthesis and optical absorption property of the Zn ₂ Ti _x Sn _{1-x} O ₄ (0 ≤ x ≤ 1) solid solutions. <i>Journal of Solid State Chemistry</i> , 2004 , 177, 3448-3453 | 3.3 | 7 |
| 17 | Catalytic performance of Nafion/SiO ₂ nanocomposites for the synthesis of tocopherol. <i>Applied Catalysis A: General</i> , 2004 , 275, 247-255 | 5.1 | 23 |
| 16 | Reforming of methane and coalbed methane over nanocomposite Ni/ZrO ₂ catalyst. <i>Catalysis Today</i> , 2004 , 98, 601-605 | 5.3 | 76 |
| 15 | Tri-reforming of Methane over Ni Catalysts for CO ₂ Conversion to Syngas With Desired H ₂ /CO Ratios Using Flue Gas of Power Plants Without CO ₂ Separation. <i>Studies in Surface Science and Catalysis</i> , 2004 , 153, 315-322 | 1.8 | 48 |
| 14 | Carbon Dioxide Reforming of Methane Over Nanocomposite Ni/ZrO ₂ Catalysts. <i>Topics in Catalysis</i> , 2003 , 22, 77-85 | 2.3 | 55 |
| 13 | On the preparation of high-surface-area nano-zirconia by reflux-digestion of hydrous zirconia gel in basic solution. <i>ChemPhysChem</i> , 2003 , 4, 277-81 | 3.2 | 30 |
| 12 | On the Preparation of High-Surface-Area Nano-Zirconia by Reflux-Digestion of Hydrous Zirconia Gel in Basic Solution. <i>ChemPhysChem</i> , 2003 , 4, 539-539 | 3.2 | |
| 11 | Size Limit of Support Particles in an Oxide-Supported Metal Catalyst: Nanocomposite Ni/ZrO ₂ for Utilization of Natural Gas. <i>Journal of Physical Chemistry B</i> , 2003 , 107, 5203-5207 | 3.4 | 99 |
| 10 | Nano-MgO: novel preparation and application as support of Ni catalyst for CO ₂ reforming of methane. <i>Catalysis Today</i> , 2001 , 68, 217-225 | 5.3 | 192 |

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| 9 | Stable Ni/ZrO ₂ catalyst for carbon dioxide reforming of methane. <i>Studies in Surface Science and Catalysis</i> , 2000 , 130, 3687-3692 | 1.8 | 12 |
| 8 | B ₂ O ₃ /ZrO ₂ for Beckmann rearrangement of cyclohexanone oxime: optimizing of the catalyst and reaction atmosphere. <i>Catalysis Today</i> , 2000 , 63, 275-282 | 5.3 | 23 |
| 7 | Unusual selectivity of oxygenate synthesis: Formation of acetic acid from syngas over unpromoted Rh in NaY zeolite. <i>Catalysis Today</i> , 2000 , 63, 453-460 | 5.3 | 26 |
| 6 | Highly active and stable Ni/ZrO ₂ catalyst for syngas production by CO ₂ reforming of methane. <i>Applied Catalysis A: General</i> , 2000 , 196, L167-L172 | 5.1 | 157 |
| 5 | High temperature calcination for a highly efficient and regenerable B ₂ O ₃ /ZrO ₂ catalyst for the synthesis of ϵ -caprolactam. <i>Chemical Communications</i> , 2000 , 1121-1122 | 5.8 | 13 |
| 4 | Gas phase beckmann rearrangement of cyclohexanone oxime over zirconia-supported boria catalyst. <i>Applied Catalysis A: General</i> , 1999 , 188, 361-368 | 5.1 | 37 |
| 3 | Alkane isomerization over sulfated zirconia and other solid acids. <i>Topics in Catalysis</i> , 1998 , 6, 61-76 | 2.3 | 74 |
| 2 | Rh/NaY: A Selective Catalyst for Direct Synthesis of Acetic Acid from Syngas. <i>Journal of Catalysis</i> , 1998 , 180, 194-206 | 7.3 | 37 |
| 1 | Acid-Base Bifunctional Behavior of ZrC ₂ in Dual Adsorption of CO ₂ and NH ₃ . <i>Chemistry Letters</i> , 1988 , 17, 1663-1666 | 1.7 | 30 |