# Tushar V Choudhary

List of Publications by Year
in descending order

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| 44 | 4,581 | 230014 | 274796 |
|---|---|---|---|
| papers | citations | 27 h-index | 44 g-index |

| 44 | 44 | 44 | 5644 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | A Glimpse into the Molecular Journey inside an Ultralow Sulfur Diesel Reactor. ChemCatChem, 2014, 6, 1782-1787. | 1.8 | 2 |
| 2 | Renewable fuels via catalytic hydrodeoxygenation. Applied Catalysis A: General, 2011, 397, 1-12. | 2.2 | 370 |
| 3 | Inhibition of the Hydrogenation and Hydrodesulfurization Reactions by Nitrogen Compounds over NiMo/Al2O3. Catalysis Letters, 2008, 123, 181-185. | 1.4 | 50 |
| 4 | Energyâ€Efficient Syngas Production through Catalytic Oxyâ€Methane Reforming Reactions. Angewandte Chemie - International Edition, 2008, 47, 1828-1847. | 7.2 | 316 |
| 5 | Characterization of heavy petroleum feedstocks. Fuel Processing Technology, 2008, 89, 697-703. | 3.7 | 13 |
| 6 | Understanding the hydrodenitrogenation chemistry of heavy oils. Catalysis Communications, 2008, 9, 1853-1857. | 1.6 | 20 |
| 7 | Simultaneous Hydrogenation of Multiring Aromatic Compounds over NiMo Catalyst. Industrial & Engineering Chemistry Research, 2008, 47, 7161-7166. | 1.8 | 53 |
| 8 | Unraveling Heavy Oil Desulfurization Chemistry: Targeting Clean Fuels. Environmental Science & Technology, 2008, 42, 1944-1947. | 4.6 | 58 |
| 9 | Structureâ^'Reactivityâ^'Mechanistic Considerations in Heavy Oil Desulfurization. Industrial & Engineering Chemistry Research, 2007, 46, 8363-8370. | 1.8 | 45 |
| 10 | Oxy-methane reforming over high temperature stable NiCoMgCeO and NiCoMgO supported on zirconiaâ€“haffnia catalysts: Accelerated sulfur deactivation and regeneration. Catalysis Communications, 2007, 8, 561-564. | 1.6 | 26 |
| 11 | Influence of nature/concentration of halide promoters and oxidation state on the direct oxidation of H2 to H2O2 over Pd/ZrO2 catalysts in aqueous acidic medium. Catalysis Communications, 2007, 8, 1310-1316. | 1.6 | 27 |
| 12 | Influence of Si/Ga and Si/Al ratios on propane aromatization over highly active H-GaAlMFI. Catalysis Communications, 2006, 7, 166-169. | 1.6 | 39 |
| 13 | Propane Conversion to Aromatics on Highly Active H-GaAlMFI:â€‰ Effect of Thermal Pretreatment. Energy & Fuels, 2006, 20, 919-922. | 2.5 | 13 |
| 14 | Oxy-CO2Reforming of Methane to Syngas over CoOx/CeO2/SA-5205 Catalyst. Energy & Fuels, 2006, 20, 1753-1756. | 2.5 | 23 |
| 15 | CO2 Reforming of Methane to Syngas over CoOx/MgO Supported on Low Surface Area Macroporous Catalyst Carrier:â€‰ Influence of Co Loading and Process Conditions. Industrial & Engineering Chemistry Research, 2006, 45, 4597-4602. | 1.8 | 18 |
| 16 | Partial oxidation of methane to syngas with or without simultaneous steam or CO2 reforming over a high-temperature stable-NiCoMgCeOx supported on zirconiaâ€“hafnia catalyst. Applied Catalysis A: General, 2006, 306, 45-50. | 2.2 | 49 |
| 17 | Direct oxidation of H2 to H2O2 over Pd-based catalysts: Influence of oxidation state, support and metal additives. Applied Catalysis A: General, 2006, 308, 128-133. | 2.2 | 116 |
| 18 | Influence of space velocity on product selectivity and distribution of aromatics in propane aromatization over H-GaAlMFI zeolite. Journal of Molecular Catalysis A, 2006, 246, 79-84. | 4.8 | 12 |

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|---|---|---|---|
| 19 | Factors influencing decomposition of H2O2 over supported Pd catalyst in aqueous medium. Journal of Molecular Catalysis A, 2006, 260, 115-120. | 4.8 | 75 |
| 20 | Oxy-CO2 reforming of methane to syngas over CoOx/MgO/SA-5205 catalyst. Fuel, 2006, 85, 2484-2488. | 3.4 | 24 |
| 21 | Towards Clean Fuels: Molecular-Level Sulfur Reactivity in Heavy Oils. Angewandte Chemie - International Edition, 2006, 45, 3299-3303. | 7.2 | 67 |
| 22 | Influence of hydrothermal pretreatment on acidity and activity of H-GaAlMFI zeolite for the propane aromatization reaction. Microporous and Mesoporous Materials, 2005, 87, 23-32. | 2.2 | 11 |
| 23 | Catalytically active gold: The role of cluster morphology. Applied Catalysis A: General, 2005, 291, 32-36. | 2.2 | 102 |
| 24 | Influence of PdO content and pathway of its formation on methane combustion activity. Catalysis Communications, 2005, 6, 97-100. | 1.6 | 19 |
| 25 | Effect of temperature on the product selectivity and aromatics distribution in aromatization of propane over H-GaAlMFI zeolite. Microporous and Mesoporous Materials, 2004, 70, 37-42. | 2.2 | 17 |
| 26 | Acetylene Hydrogenation on Au-Based Catalysts. Catalysis Letters, 2003, 86, 1-8. | 1.4 | 179 |
| 27 | Nonoxidative Activation of Methane. Catalysis Reviews - Science and Engineering, 2003, 45, 151-203. | 5.7 | 266 |
| 28 | Decomposition of NH3on Ir(100):Â A Temperature Programmed Desorption Study. Journal of Physical Chemistry B, 2002, 106, 340-344. | 1.2 | 52 |
| 29 | Characterization of C2 (CxHy) Intermediates from Adsorption and Decomposition of Methane on Supported Metal Catalysts by in situ INS Vibrational Spectroscopy. Angewandte Chemie - International Edition, 2002, 41, 144-146. | 7.2 | 23 |
| 30 | CO-free fuel processing for fuel cell applications. Catalysis Today, 2002, 77, 65-78. | 2.2 | 284 |
| 31 | Catalysts for combustion of methane and lower alkanes. Applied Catalysis A: General, 2002, 234, 1-23. | 2.2 | 599 |
| 32 | CO Oxidation on Supported Nano-Au Catalysts Synthesized from a [Au6(PPh3)6](BF4)2 Complex. Journal of Catalysis, 2002, 207, 247-255. | 3.1 | 106 |
| 33 | Methane Activation on Ruthenium: The Nature of the Surface Intermediates. Topics in Catalysis, 2002, 20, 35-42. | 1.3 | 20 |
| 34 | Oxidation Catalysis by Supported Gold Nano-Clusters. Topics in Catalysis, 2002, 21, 25-34. | 1.3 | 285 |
| 35 | Hydrogen Production via Catalytic Decomposition of Methane. Journal of Catalysis, 2001, 199, 9-18. | 3.1 | 219 |
| 36 | Ammonia Decomposition on Ir(100): From Ultrahigh Vacuum to Elevated Pressures. Catalysis Letters, 2001, 77, 1-5. | 1.4 | 35 |

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|---|---|---|---|
| 37 | Catalytic ammonia decomposition: COx-free hydrogen production for fuel cell applications. Catalysis Letters, 2001, 72, 197-201. | 1.4 | 387 |
| 38 | Methane activation on Ni and Ru model catalysts. Journal of Molecular Catalysis A, 2000, 163, 9-18. | 4.8 | 80 |
| 39 | CO-free production of hydrogen via stepwise steam reforming of methane. Journal of Catalysis, 2000, 192, 316-321. | 3.1 | 98 |
| 40 | Low-Temperature Nonoxidative Activation of Methane over H-Galloaluminosilicate (MFI) Zeolite. Science, 1997, 275, 1286-1288. | 6.0 | 223 |
| 41 | Single-Component Sorption/Diffusion of Cyclic Compounds from Their Bulk Liquid Phase in H-ZSM-5 Zeolite. Industrial & Engineering Chemistry Research, 1997, 36, 1812-1818. | 1.8 | 68 |
| 42 | Direct aromatization of natural gas over H-gallosilicate (MFI), H-galloaluminosilicate (MFI) and GaH-ZSM-5 zeolites. Applied Catalysis A: General, 1997, 162, 239-248. | 2.2 | 51 |
| 43 | Effective Low-Temperature Aromatization of Ethane over H-Galloaluminosilicate(MFI) Zeolites in the Presence of Higher Alkanes or Olefins. Angewandte Chemie International Edition in English, 1997, 36, 1305-1308. | 4.4 | 27 |
| 44 | Entrance of straight and branched chain compounds from their bulk liquid phase into H-ZSM-5 zeolite. Chemical Engineering Science, 1997, 52, 3543-3552. | 1.9 | 14 |