# Jacob A Moulijn

List of Publications by Year
in descending order

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|---|---|---|---|
| 619 papers | 47,171 citations | 1614 105 h-index | 3182 186 g-index |
| 657 all docs | 657 docs citations | 657 times ranked | 25750 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Structured catalysts and reactors â€“ Perspectives for demanding applications. Catalysis Today, 2022, 383, 5-14. | 4.4 | 60 |
| 2 | Corrigendum to â€œOn the drug adsorption capacity of SBA-15 obtained from various detemplation protocolsâ€•[Mater. Lett. 131 (2014) 186â€“189]. Materials Letters, 2022, 309, 131425. | 2.6 | 0 |
| 3 | The direct synthesis of hydrogen peroxide using a combination of a hydrophobic solvent and water. Catalysis Science and Technology, 2020, 10, 8203-8212. | 4.1 | 6 |
| 4 | Reactant Additive-Triggered Deactivation of Pd/Î³-Alumina-Catalyzed Hydrogenation Reactions. A Reactivity and Adsorption Study. Industrial & Engineering Chemistry Research, 2020, 59, 17762-17768. | 3.7 | 2 |
| 5 | Tailoring the multiphase flow pattern of gas and liquid through micro-packed bed of pillars. Reaction Chemistry and Engineering, 2019, 4, 838-851. | 3.7 | 7 |
| 6 | Nanoparticle sintering in atomic layer deposition of supported catalysts: Kinetic modeling of the size distribution. Catalysis Today, 2018, 316, 51-61. | 4.4 | 44 |
| 7 | Overcoming the Engineering Constraints for Scaling-Up the State-of-the-Art Catalyst for Tail-Gas N<sub>2</sub>O Decomposition. Industrial & Engineering Chemistry Research, 2018, 57, 939-945. | 3.7 | 8 |
| 8 | Understanding and Controlling the Aggregative Growth of Platinum Nanoparticles in Atomic Layer Deposition: An Avenue to Size Selection. Journal of Physical Chemistry Letters, 2017, 8, 975-983. | 4.6 | 98 |
| 9 | Production of Monosugars from Lignocellulosic Biomass in Molten Salt Hydrates: Process Design and Techno-Economic Analysis. Industrial & Engineering Chemistry Research, 2017, 56, 13423-13433. | 3.7 | 25 |
| 10 | Performance Testing of Hydrodesulfurization Catalysts Using a Singleâ€Pelletâ€String Reactor. Chemical Engineering and Technology, 2017, 40, 2025-2034. | 1.5 | 10 |
| 11 | Low-temperature atomic layer deposition delivers more active and stable Pt-based catalysts. Nanoscale, 2017, 9, 10802-10810. | 5.6 | 19 |
| 12 | Tail gas catalyzed N2O decomposition over Fe-beta zeolite. On the promoting role of framework connected AlO6 sites in the vicinity of Fe by controlled dealumination during exchange. Applied Catalysis B: Environmental, 2017, 203, 218-226. | 20.2 | 21 |
| 13 | Process Intensification â˜†. , 2017, , 509-518. | | 8 |
| 14 | Reactive Separations. , 2017, , 565-572. | | 1 |
| 15 | Gas phase stabiliser-free production of hydrogen peroxide using supported goldâ€“palladium catalysts. Chemical Science, 2016, 7, 5833-5837. | 7.4 | 16 |
| 16 | Designing new catalysts: synthesis of new active structures: general discussion. Faraday Discussions, 2016, 188, 131-159. | 3.2 | 4 |
| 17 | Bridging model and real catalysts: general discussion. Faraday Discussions, 2016, 188, 565-589. | 3.2 | 3 |
| 18 | Catalyst testing in multiphase micro-packed-bed reactors; criterion for radial mass transport. Catalysis Today, 2016, 259, 354-359. | 4.4 | 34 |

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| 19 | Low temperature catalytic partial oxidation of ethane to oxygenates by Feâ€“ and Cuâ€“ZSM-5 in a continuous flow reactor. Journal of Catalysis, 2015, 330, 84-92. | 6.2 | 24 |
| 20 | Efficient green methanol synthesis from glycerol. Nature Chemistry, 2015, 7, 1028-1032. | 13.6 | 106 |
| 21 | Structuring catalyst and reactor â€“ an inviting avenue to process intensification. Catalysis Science and Technology, 2015, 5, 807-817. | 4.1 | 117 |
| 22 | Inhibition of a Gold-Based Catalyst in Benzyl Alcohol Oxidation: Understanding and Remediation. Catalysts, 2014, 4, 89-115. | 3.5 | 40 |
| 23 | Sorbitol dehydration in a ZnCl<sub>2</sub>molten salt hydrate medium: molecular modeling. Catalysis Science and Technology, 2014, 4, 152-163. | 4.1 | 16 |
| 24 | On the drug adsorption capacity of SBA-15 obtained from various detemplation protocols. Materials Letters, 2014, 131, 186-189. | 2.6 | 10 |
| 25 | Monolithic reactors in catalysis: excellent control. Current Opinion in Chemical Engineering, 2013, 2, 346-353. | 7.8 | 35 |
| 26 | Simultaneous hydrolysis and hydrogenation of cellobiose to sorbitol in molten salt hydrate media. Catalysis Science and Technology, 2013, 3, 1565. | 4.1 | 31 |
| 27 | Sorbitol dehydration into isosorbide in a molten salt hydrate medium. Catalysis Science and Technology, 2013, 3, 1540. | 4.1 | 64 |
| 28 | Effect of Reaction Conditions on the Direct Synthesis of Hydrogen Peroxide with a AuPd/TiO<sub>2</sub> Catalyst in a Flow Reactor. ACS Catalysis, 2013, 3, 487-501. | 11.2 | 93 |
| 29 | Catalyst Performance Testing in Multiphase Systems: Implications of Using Small Catalyst Particles in Hydrodesulfurization. Industrial & Engineering Chemistry Research, 2013, 52, 9069-9085. | 3.7 | 36 |
| 30 | Influence of reaction conditions on the direct synthesis of hydrogen peroxide over AuPd/carbon catalysts. Catalysis Science and Technology, 2012, 2, 1908. | 4.1 | 23 |
| 31 | Heat transport in structured packings with two-phase co-current downflow. Chemical Engineering Journal, 2012, 185-186, 250-266. | 12.7 | 27 |
| 32 | Functioning devices for solar to fuel conversion. Chemical Engineering and Processing: Process Intensification, 2012, 51, 137-149. | 3.6 | 21 |
| 33 | Process intensification in the future production of base chemicals from biomass. Chemical Engineering and Processing: Process Intensification, 2012, 51, 117-136. | 3.6 | 115 |
| 34 | How Phase Composition Influences Optoelectronic and Photocatalytic Properties of TiO<sub>2</sub>. Journal of Physical Chemistry C, 2011, 115, 2211-2217. | 3.1 | 117 |
| 35 | Photo-catalytic oxidation of cyclohexane over TiO<sub>2</sub>: a novel interpretation of temperature dependent performance. Physical Chemistry Chemical Physics, 2011, 13, 1345-1355. | 2.8 | 17 |
| 36 | The Potential of Biomass in the Production of Clean Transportation Fuels and Base Chemicals. ACS Symposium Series, 2011, , 65-77. | 0.5 | 4 |

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| 37 | Monolithic Catalysts and Reactors. Advances in Catalysis, 2011, 54, 249-327. | 0.2 | 46 |
| 38 | Photocatalytic Oxidation of Cyclohexane over TiO<sub>2</sub>: Evidence for a Marsâ˜van Krevelen Mechanism. Journal of Physical Chemistry C, 2011, 115, 1330-1338. | 3.1 | 54 |
| 39 | Combined ATR-FTIR and DFT Study of Cyclohexanone Adsorption on Hydrated TiO<sub>2</sub> Anatase Surfaces. Journal of Physical Chemistry C, 2011, 115, 14164-14172. | 3.1 | 23 |
| 40 | The effect of water on the performance of TiO2 in photocatalytic selective alkane oxidation. Journal of Catalysis, 2011, 277, 129-133. | 6.2 | 28 |
| 41 | Heterogeneously Catalyzed Continuousâ€Flow Hydrogenation Using Segmented Flow in Capillary Columns. ChemCatChem, 2011, 3, 1155-1157. | 3.7 | 47 |
| 42 | Stability of metal nanoparticles formed during reduction of alumina supported nickel and cobalt catalysts. Catalysis Today, 2011, 163, 20-26. | 4.4 | 29 |
| 43 | Shape selective methanol to olefins over highly thermostable DDR catalysts. Applied Catalysis A: General, 2011, 391, 234-243. | 4.3 | 54 |
| 44 | Catalytic pyrolysis of microalgae to high-quality liquid bio-fuels. Biomass and Bioenergy, 2011, 35, 3199-3207. | 5.7 | 263 |
| 45 | On-site low-pressure diesel HDS for fuel cell applications: Deepening the sulfur content to â©½1ppm. Fuel, 2011, 90, 3021-3027. | 6.4 | 11 |
| 46 | The effect of Au on TiO2 catalyzed selective photocatalytic oxidation of cyclohexane. Journal of Photochemistry and Photobiology A: Chemistry, 2011, 217, 326-332. | 3.9 | 32 |
| 47 | Preparation of Supported Metal Catalysts. Catalytic Science Series, 2011, , 1-40. | 0.0 | 0 |
| 48 | Mechanism of Laccaseâ€“TEMPOâ€Catalyzed Oxidation of Benzyl Alcohol. ChemCatChem, 2010, 2, 827-833. | 3.7 | 77 |
| 49 | Volatile tracer dispersion in multi-phase packed beds. Chemical Engineering Science, 2010, 65, 3972-3985. | 3.8 | 8 |
| 50 | Improved performance of TiO2 in the selective photo-catalytic oxidation of cyclohexane by increasing the rate of desorption through surface silylation. Journal of Catalysis, 2010, 273, 116-124. | 6.2 | 38 |
| 51 | Photocatalytic oxidation of cyclohexane by titanium dioxide: Catalyst deactivation and regeneration. Journal of Catalysis, 2010, 273, 199-210. | 6.2 | 54 |
| 52 | Catalyst performance changes induced by palladium phase transformation in the hydrogenation of benzonitrile. Journal of Catalysis, 2010, 274, 176-191. | 6.2 | 55 |
| 53 | Cellulose Conversion to Isosorbide in Molten Salt hydrate Media. ChemSusChem, 2010, 3, 325-328. | 6.8 | 118 |
| 54 | Model-based, thermo-physical optimisation for high olefin yield in steam cracking reactors. Chemical Engineering Research and Design, 2010, 88, 1305-1319. | 5.6 | 18 |

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| 55 | Heat transport in structured packings with co-current downflow of gas and liquid. Chemical Engineering Science, 2010, 65, 420-426. | 3.8 | 26 |
| 56 | Toward a Physically Sound Structureâ^'Activity Relationship of TiO<sub>2</sub>-Based Photocatalysts. Journal of Physical Chemistry C, 2010, 114, 327-332. | 3.1 | 76 |
| 57 | Transient Behavior and Stability in Miniaturized Multiphase Packed Bed Reactors. Industrial & Engineering Chemistry Research, 2010, 49, 1033-1040. | 3.7 | 40 |
| 58 | Cyclohexane selective photocatalytic oxidation by anatase TiO2: influence of particle size and crystallinity. Physical Chemistry Chemical Physics, 2010, 12, 2744. | 2.8 | 46 |
| 59 | The effect of catalyst preparation method on the performance of supported Auâ€“Pd catalysts for the direct synthesis of hydrogen peroxide. Green Chemistry, 2010, 12, 915. | 9.0 | 63 |
| 60 | Effect of the reaction conditions on the performance of Auâ€“Pd/TiO2 catalyst for the direct synthesis of hydrogen peroxide. Physical Chemistry Chemical Physics, 2010, 12, 2488. | 2.8 | 58 |
| 61 | FAPO and Fe-TUD-1: Promising catalysts for N2O mediated selective oxidation of propane?. Journal of Catalysis, 2009, 262, 1-8. | 6.2 | 22 |
| 62 | Effect of Halide and Acid Additives on the Direct Synthesis of Hydrogen Peroxide using Supported Goldâ€“Palladium Catalysts. ChemSusChem, 2009, 2, 575-580. | 6.8 | 68 |
| 63 | How Gold Deposition Affects Anatase Performance in the Photo-catalytic Oxidation of Cyclohexane. Catalysis Letters, 2009, 129, 12-19. | 2.6 | 64 |
| 64 | Relation between sulfur coordination of active sites and HDS activity for Mo and NiMo catalysts. Journal of Molecular Catalysis A, 2009, 309, 79-88. | 4.8 | 33 |
| 65 | Identification of the role of surface acidity in the deactivation of TiO2 in the selective photo-oxidation of cyclohexane. Catalysis Today, 2009, 143, 326-333. | 4.4 | 32 |
| 66 | Deep desulphurization of diesel fuels on bifunctional monolithic nanostructured Pt-zeolite catalysts. Catalysis Today, 2009, 144, 235-250. | 4.4 | 39 |
| 67 | Experimental and numerical comparison of structured packings with a randomly packed bed reactor for Fischerâ€“Tropsch synthesis. Catalysis Today, 2009, 147, S2-S9. | 4.4 | 52 |
| 68 | An internally illuminated monolith reactor: Pros and cons relative to a slurry reactor. Catalysis Today, 2009, 147, S324-S329. | 4.4 | 31 |
| 69 | Hydrogenation of dinitriles on Raney-type Ni catalysts: kinetic and mechanistic aspects. Applied Catalysis A: General, 2009, 352, 193-201. | 4.3 | 23 |
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| 71 | Catalyst testing in a multiple-parallel, gasâ€“liquid, powder-packed bed microreactor. Applied Catalysis A: General, 2009, 365, 199-206. | 4.3 | 40 |
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| 75 | The Effect of Bromide Pretreatment on the Performance of Supported Auâ€“Pd Catalysts for the Direct Synthesis of Hydrogen Peroxide. ChemCatChem, 2009, 1, 479-484. | 3.7 | 34 |
| 76 | Chemical Design of Carbon Coating on the Alumina Support. , 2009, , 119-130. | | 0 |
| 77 | Enabling Electrocatalytic Fischerâ€“Tropsch Synthesis from Carbon Dioxide Over Copper-based Electrodes. Catalysis Letters, 2008, 123, 186-192. | 2.6 | 85 |
| 78 | Hydrogel coated monoliths for enzymatic hydrolysis of penicillin G. Journal of Industrial Microbiology and Biotechnology, 2008, 35, 815-824. | 3.0 | 9 |
| 79 | Propylene/propane mixture adsorption on faujasite sorbents. Adsorption, 2008, 14, 309-321. | 3.0 | 62 |
| 80 | Deep Desulfurization of Fossil Fuels by Air in the Absence of a Catalyst. ChemSusChem, 2008, 1, 817-819. | 6.8 | 15 |
| 81 | Separation and permeation characteristics of a DD3R zeolite membrane. Journal of Membrane Science, 2008, 316, 35-45. | 8.2 | 244 |
| 82 | Effect of steaming of iron containing AlPO-5 on the structure and activity in N2O decomposition. Microporous and Mesoporous Materials, 2008, 112, 193-201. | 4.4 | 26 |
| 83 | Dynamic methods for catalytic kinetics. Applied Catalysis A: General, 2008, 342, 3-28. | 4.3 | 99 |
| 84 | Process intensification and process systems engineering: A friendly symbiosis. Computers and Chemical Engineering, 2008, 32, 3-11. | 3.8 | 168 |
| 85 | Recent advances in catalysisâ€"selected papers from APCAT 4 (Singapore, 6â€“8 December 2006). Catalysis Today, 2008, 131, 1. | 4.4 | 5 |
| 86 | Towards synthesis of an optimal thermal cracking reactor. Chemical Engineering Research and Design, 2008, 86, 703-712. | 5.6 | 6 |
| 87 | A novel photocatalytic monolith reactor for multiphase heterogeneous photocatalysis. Applied Catalysis A: General, 2008, 334, 119-128. | 4.3 | 124 |
| 88 | Carbon-based monolithic supports for palladium catalysts: The role of the porosity in the gas-phase total combustion of m-xylene. Applied Catalysis B: Environmental, 2008, 77, 272-277. | 20.2 | 35 |
| 89 | Influence of Si/Al ratio on hexane isomers adsorption equilibria. Microporous and Mesoporous Materials, 2008, 111, 171-177. | 4.4 | 17 |
| 90 | Separation of CO2 and CH4 by a DDR membrane. Research on Chemical Intermediates, 2008, 34, 467-474. | 2.7 | 51 |

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| 91 | Tuning the support adsorption properties of Pd/SiO2 by silylation to improve the selective hydrogenation of aromatic ketones. Journal of Catalysis, 2008, 257, 55-63. | 6.2 | 27 |
| 92 | The effect of surface OH-population on the photocatalytic activity of rare earth-doped P25-TiO2 in methylene blue degradation. Journal of Catalysis, 2008, 260, 75-80. | 6.2 | 169 |
| 93 | Polyethyleneimine (PEI) functionalized ceramic monoliths as enzyme carriers: Preparation and performance. Journal of Molecular Catalysis B: Enzymatic, 2008, 50, 20-27. | 1.8 | 47 |
| 94 | The role of the support in achieving high selectivity in the direct formation of hydrogen peroxide. Green Chemistry, 2008, 10, 1162. | 9.0 | 89 |
| 95 | Structured Packings for Multiphase Catalytic Reactors. Industrial & Engineering Chemistry Research, 2008, 47, 3720-3751. | 3.7 | 160 |
| 96 | In Situ ATR-FTIR Study on the Selective Photo-oxidation of Cyclohexane over Anatase TiO<sub>2</sub>. Journal of Physical Chemistry C, 2008, 112, 1552-1561. | 3.1 | 100 |
| 97 | On the Wavelength-Dependent Performance of Cr-Doped Silica in Selective Photo-Oxidation. Journal of Physical Chemistry C, 2008, 112, 5471-5475. | 3.1 | 14 |
| 98 | Infinite Dilution Binary Diffusion Coefficients of Hydrotreating Compounds in Tetradecane in the Temperature Range from (310 to 475) K. Journal of Chemical & Engineering Data, 2008, 53, 439-443. | 1.9 | 11 |
| 99 | Structure and performance in propane ODH of Vanadia incorporated in (Ti-, Zr-)TUD-1. Studies in Surface Science and Catalysis, 2007, 170, 1190-1196. | 1.5 | 0 |
| 100 | Natural gas purification with a DDR zeolite membrane; permeation modelling with maxwell-stefan equations. Studies in Surface Science and Catalysis, 2007, 170, 1021-1027. | 1.5 | 42 |
| 101 | Fenton detemplation of ordered (meso)porous materials. Studies in Surface Science and Catalysis, 2007, 170, 648-654. | 1.5 | 5 |
| 102 | Applicability of Fiber-Optic-Based Raman Probes for On-Line Reaction Monitoring of High-Pressure Catalytic Hydrogenation Reactions. Applied Spectroscopy, 2007, 61, 470-478. | 2.2 | 7 |
| 103 | Direct Demonstration of Enhanced Diffusion in Mesoporous ZSM-5 Zeolite Obtained via Controlled Desilication. Journal of the American Chemical Society, 2007, 129, 355-360. | 13.7 | 616 |
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| 105 | Experimental and Theoretical Study of Reactive Stripping in Monolith Reactors. Industrial & Engineering Chemistry Research, 2007, 46, 4149-4157. | 3.7 | 12 |
| 106 | Enhancement of Catalyst Performance Using Pressure Pulses on Macroporous Structured Catalysts. Industrial & Engineering Chemistry Research, 2007, 46, 8574-8583. | 3.7 | 17 |
| 107 | In situ monitoring of desilication of MFI-type zeolites in alkaline medium. Physical Chemistry Chemical Physics, 2007, 9, 4822. | 2.8 | 49 |
| 108 | Coke Deposition Profiles during Artificial Aging of Hydroprocessing Catalysts. Industrial & Engineering Chemistry Research, 2007, 46, 421-429. | 3.7 | 12 |

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| 109 | Ideal Chemical Conversion Concept for the Industrial Production of Ethene from Hydrocarbons. Industrial & Engineering Chemistry Research, 2007, 46, 4045-4062. | 3.7 | 13 |
| 110 | Oxidative thermolysis of Mn(acac)3 on the surface of Î³-alumina support. Thermochimica Acta, 2007, 456, 145-151. | 2.7 | 5 |
| 111 | Catalyst deactivation during thiophene HDS: The role of structural sulfur. Applied Catalysis A: General, 2007, 318, 28-36. | 4.3 | 44 |
| 112 | Tuning the morphology of monolith coatings. Applied Catalysis A: General, 2007, 319, 267-271. | 4.3 | 24 |
| 113 | On the mechanism of model diesel soot-O2 reaction catalysed by Pt-containing La3+-doped CeO2A TAP study with isotopic O2. Catalysis Today, 2007, 121, 237-245. | 4.4 | 80 |
| 114 | Bottom-mounted ATR probes: Pitfalls that arise from gravitational effects. Catalysis Today, 2007, 126, 184-190. | 4.4 | 7 |
| 115 | Selective hydrogenation of fatty acid methyl esters over palladium on carbon-based monoliths. Catalysis Today, 2007, 128, 13-17. | 4.4 | 47 |
| 116 | Analysis of coke deposition profiles in commercial spent hydroprocessing catalysts using Raman spectroscopy. Fuel, 2007, 86, 1122-1129. | 6.4 | 58 |
| 117 | A review of intensification of photocatalytic processes. Chemical Engineering and Processing: Process Intensification, 2007, 46, 781-789. | 3.6 | 387 |
| 118 | Modelling kinetics and deactivation for the selective hydrogenation of an aromatic ketone over Pd/SiO2. Chemical Engineering Science, 2007, 62, 5322-5329. | 3.8 | 20 |
| 119 | Electrochemical generation of hydrogen peroxide using surface area-enhanced Ti-mesh electrodes. Electrochimica Acta, 2007, 52, 6304-6309. | 5.2 | 39 |
| 120 | Carbonâ€“ceramic composites for enzyme immobilization. Microporous and Mesoporous Materials, 2007, 99, 216-223. | 4.4 | 17 |
| 121 | Alkaline-mediated mesoporous mordenite zeolites for acid-catalyzed conversionsâ˜†. Journal of Catalysis, 2007, 251, 21-27. | 6.2 | 211 |
| 122 | Deuteration study to elucidate hydrogenolysis of benzylic alcohols over supported palladium catalysts. Journal of Catalysis, 2007, 246, 344-350. | 6.2 | 30 |
| 123 | Evaluation of deactivation mechanisms of Pd-catalyzed hydrogenation of 4-isobutylacetophenone. Journal of Catalysis, 2007, 248, 249-257. | 6.2 | 15 |
| 124 | Cracking of a rapeseed vegetable oil under realistic FCC conditions. Applied Catalysis B: Environmental, 2007, 72, 44-61. | 20.2 | 175 |
| 125 | Potential rare-earth modified CeO2 catalysts for soot oxidation part II: Characterisation and catalytic activity with NO+O2. Applied Catalysis B: Environmental, 2007, 75, 201-209. | 20.2 | 106 |
| 126 | Potential rare-earth modified CeO2 catalysts for soot oxidation. Applied Catalysis B: Environmental, 2007, 75, 210-220. | 20.2 | 100 |

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| 127 | Potential rare earth modified CeO2 catalysts for soot oxidation. Applied Catalysis B: Environmental, 2007, 75, 189-200. | 20.2 | 304 |
| 128 | Study of Methane Dehydroaromatization on Impregnated Mo/ZSM-5 Catalysts and Characterization of Nanostructured Molybdenum Phases and Carbonaceous Deposits. Industrial & Engineering Chemistry Research, 2007, 46, 4063-4074. | 3.7 | 96 |
| 129 | Preparation of a monolith-supported Au/TiO2 catalyst active for CO oxidation. Gold Bulletin, 2007, 40, 291-294. | 2.7 | 7 |
| 130 | Mechanism of deactivation of Au/Fe2O3 catalysts under waterâ€“gas shift conditions. Topics in Catalysis, 2007, 44, 209-221. | 2.8 | 22 |
| 131 | Role of Adsorption in the Permeation of CH4and CO2through a Silicalite-1 Membrane. Industrial & Engineering Chemistry Research, 2006, 45, 767-776. | 3.7 | 117 |
| 132 | Desilication: on the controlled generation of mesoporosity in MFI zeolites. Journal of Materials Chemistry, 2006, 16, 2121-2131. | 6.7 | 519 |
| 133 | Alkaline Treatment of Iron-Containing MFI Zeolites. Influence on Mesoporosity Development and Iron Speciation. Journal of Physical Chemistry B, 2006, 110, 20369-20378. | 2.6 | 19 |
| 134 | On the role of iron in preparation of mesoporous Fe-MFI zeolites via desilication. Studies in Surface Science and Catalysis, 2006, 162, 267-274. | 1.5 | 3 |
| 135 | Selective oxidation of CO in the presence of H2, H2O and CO2utilising Au/Î±-Fe2O3catalysts for use in fuel cells. Journal of Materials Chemistry, 2006, 16, 199-208. | 6.7 | 92 |
| 136 | Alkaline leaching for synthesis of improved Fe-ZSM5 catalysts. Catalysis Communications, 2006, 7, 100-103. | 3.3 | 20 |
| 137 | Gasâ^'Liquid Mass Transfer in Benchscale Stirred TanksFluid Properties and Critical Impeller Speed for Gas Induction. Industrial & Engineering Chemistry Research, 2006, 45, 4574-4581. | 3.7 | 36 |
| 138 | The Production of Propene Oxide:Â Catalytic Processes and Recent Developments. Industrial & Engineering Chemistry Research, 2006, 45, 3447-3459. | 3.7 | 456 |
| 139 | Tooling up Heterogeneous Catalysis through Fentonâ€™s Chemistry. Detemplation and functionalization of micro- And mesoporous materials.. Studies in Surface Science and Catalysis, 2006, 162, 37-46. | 1.5 | 1 |
| 140 | Process intensification and process system engineering: a friendly symbiosis. Computer Aided Chemical Engineering, 2006, , 29-37. | 0.5 | 10 |
| 141 | XPS characterisation of carbon-coated alumina support. Surface and Interface Analysis, 2006, 38, 917-921. | 1.8 | 40 |
| 142 | Selective hydrogenation of fatty acid methyl esters on palladium catalysts supported on carbon-coated monoliths. Carbon, 2006, 44, 173-176. | 10.3 | 28 |
| 143 | Pd and Pt catalysts supported on carbon-coated monoliths for low-temperature combustion of xylenes. Carbon, 2006, 44, 2463-2468. | 10.3 | 48 |
| 144 | Carbon coated monoliths as support material for a lactase from Aspergillus oryzae: Characterization and design of the carbon carriers. Carbon, 2006, 44, 3053-3063. | 10.3 | 18 |

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| 146 | Development of TiO2/Ti wire-mesh honeycomb for catalytic combustion of ethyl acetate in air. Applied Catalysis A: General, 2006, 313, 86-93. | 4.3 | 25 |
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| 148 | Chromium-incorporated TUD-1 as a new visible light-sensitive photo-catalyst for selective oxidation of propane. Catalysis Today, 2006, 117, 337-342. | 4.4 | 26 |
| 149 | Simulation of coke and metal deposition in catalyst pellets using a non-steady state fixed bed reactor model. Chemical Engineering Science, 2006, 61, 7463-7478. | 3.8 | 23 |
| 150 | Micropore accessibility of large mordenite crystals. Microporous and Mesoporous Materials, 2006, 92, 145-153. | 4.4 | 14 |
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| 152 | Structured Reactors for Enzyme Immobilization. Chemical Engineering Research and Design, 2006, 84, 390-398. | 5.6 | 30 |
| 153 | Adsorptive Separation of Light Olefin/Paraffin Mixtures. Chemical Engineering Research and Design, 2006, 84, 350-354. | 5.6 | 113 |
| 154 | Reaction Kinetics and Intermediate Determination of Solid Acid Catalysed Liquid-phase Hydrolysis Reactions: A Real-time in situ ATR FT-IR Study. Catalysis Letters, 2006, 109, 199-206. | 2.6 | 9 |
| 155 | Catalytic Characterization of Mesoporous Tiâ€“Silica Hollow Spheres. Catalysis Letters, 2006, 109, 207-210. | 2.6 | 16 |
| 156 | Utilizing full-exchange capacity of zeolites by alkaline leaching: Preparation of Fe-ZSM5 and application in N2O decomposition. Journal of Catalysis, 2006, 238, 250-259. | 6.2 | 108 |
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| 160 | DRIFTS study of the waterâ€“gas shift reaction over Au/Fe2O3. Journal of Catalysis, 2006, 243, 171-182. | 6.2 | 106 |
| 161 | Production of clean transportation fuels and lower olefins from Fischer-Tropsch Synthesis waxes under fluid catalytic cracking conditions. Applied Catalysis B: Environmental, 2006, 63, 277-295. | 20.2 | 70 |
| 162 | Monoliths as Biocatalytic Reactors: Smart Gasâ€”Liquid Contacting for Process Intensification. ChemInform, 2006, 37, no. | 0.0 | 0 |

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| 165 | Reactive Stripping in Structured Catalytic Reactors: Hydrodynamics and Reaction Performance. , 2005, , 233-264. | | 5 |
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