

Ramchandra Tiruvalam

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

2,804
citations

567144

15
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839398

18
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18
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18
docs citations

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times ranked

4471
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Solvent-Free Oxidation of Primary Carbon-Hydrogen Bonds in Toluene Using Au-Pd Alloy Nanoparticles. <i>Science</i> , 2011, 331, 195-199. | 6.0 | 708 |
| 2 | Facile removal of stabilizer-ligands from supported gold nanoparticles. <i>Nature Chemistry</i> , 2011, 3, 551-556. | 6.6 | 517 |
| 3 | Designer Titania-Supported Au-Pd Nanoparticles for Efficient Photocatalytic Hydrogen Production. <i>ACS Nano</i> , 2014, 8, 3490-3497. | 7.3 | 279 |
| 4 | Promotion of Phenol Photodecomposition over TiO ₂ Using Au, Pd, and Au-Pd Nanoparticles. <i>ACS Nano</i> , 2012, 6, 6284-6292. | 7.3 | 252 |
| 5 | Direct Synthesis of Hydrogen Peroxide and Benzyl Alcohol Oxidation Using Au-Pd Catalysts Prepared by Sol Immobilization. <i>Langmuir</i> , 2010, 26, 16568-16577. | 1.6 | 201 |
| 6 | Solvent-free oxidation of benzyl alcohol using Au-Pd catalysts prepared by sol immobilisation. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 5142. | 1.3 | 138 |
| 7 | Au-Pd supported nanocrystals prepared by a sol immobilisation technique as catalysts for selective chemical synthesis. <i>Physical Chemistry Chemical Physics</i> , 2008, 10, 1921. | 1.3 | 136 |
| 8 | Controlling the Duality of the Mechanism in Liquid-Phase Oxidation of Benzyl Alcohol Catalysed by Supported Au-Pd Nanoparticles. <i>Chemistry - A European Journal</i> , 2011, 17, 6524-6532. | 1.7 | 100 |
| 9 | Involvement of Surface-Bound Radicals in the Oxidation of Toluene Using Supported Au-Pd Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 5981-5985. | 7.2 | 89 |
| 10 | Oxidation of Glycerol to Glycolate by using Supported Gold and Palladium Nanoparticles. <i>ChemSusChem</i> , 2009, 2, 1145-1151. | 3.6 | 78 |
| 11 | Redispersion of Gold Supported on Oxides. <i>ACS Catalysis</i> , 2012, 2, 552-560. | 5.5 | 73 |
| 12 | Influence of Methyl Halide Treatment on Gold Nanoparticles Supported on Activated Carbon. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 8912-8916. | 7.2 | 64 |
| 13 | Effect of heat treatment on Au-Pd catalysts synthesized by sol immobilisation for the direct synthesis of hydrogen peroxide and benzyl alcohol oxidation. <i>Catalysis Science and Technology</i> , 2013, 3, 308-317. | 2.1 | 64 |
| 14 | Selective photocatalytic oxidation of benzene for the synthesis of phenol using engineered Au-Pd alloy nanoparticles supported on titanium dioxide. <i>Chemical Communications</i> , 2014, 50, 12612-12614. | 2.2 | 42 |
| 15 | Oxidative esterification of 1,2-propanediol using gold and gold-palladium supported nanoparticles. <i>Catalysis Science and Technology</i> , 2012, 2, 97-104. | 2.1 | 32 |
| 16 | Assessing and Controlling the Size, Morphology and Composition of Supported Bimetallic Catalyst Nanoparticles. <i>Microscopy and Microanalysis</i> , 2014, 20, 74-75. | 0.2 | 1 |