# Georgios Papadogianakis

List of Publications by Year
in descending order



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|---|---|---|---|
| 30 papers | 1,228 citations | 361413 20 h-index | 377865 34 g-index |
| 39 all docs | 39 docs citations | 39 times ranked | 861 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Catalytic conversions in water. Part 10.â€ Aerobic oxidation of terminal olefins to methyl ketones catalysed by water soluble palladium complexes. Chemical Communications, 1998, , 2359-2360. | 4.1 | 88 |
| 2 | Title is missing!. Catalysis Letters, 1997, 47, 43-46. | 2.6 | 74 |
| 3 | Recent Advances in Ruthenium-Catalyzed Hydrogenation Reactions of Renewable Biomass-Derived Levulinic Acid in Aqueous Media. Frontiers in Chemistry, 2020, 8, 221. | 3.6 | 61 |
| 4 | Catalytic conversions in water. part 5: carbonylation of 1-(4-isobutylphenyl)ethanol to ibuprofen catalysed by water-soluble palladium-phosphine complexes in a two-phase system. Journal of Chemical Technology and Biotechnology, 1997, 70, 83-91. | 3.2 | 56 |
| 5 | Catalytic conversions in water. Journal of Molecular Catalysis A, 1999, 146, 299-307. | 4.8 | 53 |
| 6 | Catalytic conversions in water. Applied Catalysis A: General, 2000, 194-195, 435-442. | 4.3 | 50 |
| 7 | Catalytic conversions in water, part 8: carbonylation and hydrocarboxylation reactions catalyzed by palladium trisulfonated triphenylphosphine complexes1Manuscript for the proceedings of the congress 'Phase separable Homogeneous Catalysis' to be held in Las Vegas, September 11th 1997.1. Catalysis Today, 1998, 42, 449-458. | 4.4 | 47 |
| 8 | Catalytic conversions in water. Part 411For part 3 of this series see Ref. [18].: Carbonylation of 5-hydroxymethylfurfural (HMF) and benzyl alcohol catalysed by palladium trisulfonated triphenylphosphine complexes. Journal of Molecular Catalysis A, 1997, 116, 179-190. | 4.8 | 45 |
| 9 | Catalytic conversions in water: a novel carbonylation reaction catalysed by palladium trisulfonated triphenylphosphine complexes. Journal of the Chemical Society Chemical Communications, 1994, , 2659. | 2.0 | 43 |
| 10 | Catalytic conversions in water: 17O, {1H}31P and 35Cl NMR study of a novel stoichiometric redox reaction between PdCl2, tppts and H2O [tppts = P(C6H4-m-SO3Na)3]. Journal of the Chemical Society Chemical Communications, 1995, , 1105. | 2.0 | 39 |
| 11 | Catalytic conversions in aqueous media: a novel and efficient hydrogenation of polybutadiene-1,4-block-poly(ethylene oxide) catalyzed by Rh/TPPTS complexes in mixed micellar nanoreactors. Journal of Molecular Catalysis A, 2005, 231, 93-101. | 4.8 | 39 |
| 12 | Factors effecting the hydrogenation of fructose with a water soluble Ruâ€"TPPTS complex. A comparison between homogeneous and heterogeneous catalysis. Journal of Molecular Catalysis A, 1999, 142, 17-26. | 4.8 | 38 |
| 13 | Catalytic conversions in green aqueous media: Part 4. Selective hydrogenation of polyunsaturated methyl esters of vegetable oils for upgrading biodiesel. Journal of Organometallic Chemistry, 2010, 695, 327-337. | 1.8 | 38 |
| 14 | Catalytic Conversions in Aqueous Media. Part 2. A Novel and Highly Efficient Biphasic Hydrogenation of Renewable Methyl Esters of Linseed and Sunflower Oils to High Quality Biodiesel Employing Rh/TPPTS Complexes. Catalysis Letters, 2008, 121, 158-164. | 2.6 | 36 |
| 15 | Novel aqueous-phase hydrogenation reaction of the key biorefinery platform chemical levulinic acid into Î³-valerolactone employing highly active, selective and stable water-soluble ruthenium catalysts modified with nitrogen-containing ligands. Applied Catalysis B: Environmental, 2018, 238, 82-92. | 20.2 | 33 |
| 16 | Partial hydrogenation of methyl esters of sunflower oil catalyzed by highly active rhodium sulfonated triphenylphosphite complexes. Catalysis Communications, 2009, 10, 451-455. | 3.3 | 32 |
| 17 | Catalytic conversions in water. An environmentally benign concept for heterogenization of homogeneous catalysis. Catalysis, 0, , 114-194. | 1.0 | 31 |
| 18 | Catalytic conversions in green aqueous media: Highly efficient biphasic hydrogenation of benzene to cyclohexane catalyzed by Rh/TPPTS complexes. Journal of Catalysis, 2010, 274, 21-28. | 6.2 | 30 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Aqueous-phase catalytic hydrogenation of methyl esters of Cynara cardunculus alternative low-cost non-edible oil: A useful concept to resolve the food, fuel and environment issue of sustainable biodiesel. Industrial Crops and Products, 2014, 52, 205-210. | 5.2 | 24 |
| 20 | Catalytic conversions in aqueous media: Part 3. Biphasic hydrogenation of polybutadiene catalyzed by Rh/TPPTS complexes in micellar systems. Journal of Molecular Catalysis A, 2009, 304, 95-100. | 4.8 | 21 |
| 21 | Low trans -isomers formation in the aqueous-phase Pt/TPPTS-catalyzed partial hydrogenation of methyl esters of linseed oil. Applied Catalysis B: Environmental, 2017, 209, 579-590. | 20.2 | 20 |
| 22 | Catalytic conversions in green aqueous media. Part 8: Partial and full hydrogenation of renewable methyl esters of vegetable oils. Catalysis Today, 2015, 247, 20-32. | 4.4 | 18 |
| 23 | Catalytic conversions in water. Journal of Organometallic Chemistry, 2001, 621, 337-343. | 1.8 | 17 |
| 24 | Production of hydrogenated methyl esters of palm kernel and sunflower oils by employing rhodium and ruthenium catalytic complexes of hydrolysis stable monodentate sulfonated triphenylphosphite ligands. Applied Catalysis B: Environmental, 2014, 158-159, 373-381. | 20.2 | 15 |
| 25 | Hydrogenation of a hydroformylated naphtha model (mixture of specific aldehydes) catalysed by Ru/TPPTS complex in aqueous media. Applied Catalysis A: General, 2009, 363, 129-134. | 4.3 | 14 |
| 26 | Superior aqueous-phase catalytic hydrogenation activity of palladium modified with nitrogen-containing ligands compared with the TPPTS benchmark modifier in micellar nanoreactors. Applied Catalysis B: Environmental, 2014, 150-151, 345-353. | 20.2 | 12 |
| 27 | A Remarkable Effect of Aluminum on the Novel and Efficient Aqueous-Phase Hydrogenation of Levulinic Acid into Î³-Valerolactone Using Water-Soluble Platinum Catalysts Modified with Nitrogen-Containing Ligands. Catalysis Letters, 2019, 149, 1250-1265. | 2.6 | 6 |
| 28 | Novel Full Hydrogenation Reaction of Methyl Esters of Palm Kernel and Sunflower Oils Into Methyl Stearate Catalyzed by Rhodium, Ruthenium and Nickel Complexes of Bidentate Hexasulfonated o-Phenylendiphosphite Ligands. Catalysis Letters, 2019, 149, 580-590. | 2.6 | 4 |
| 29 | Hydrogenation of the pivotal biorefinery platform molecule levulinic acid into renewable fuel Î³-valerolactone catalyzed by unprecedented highly active and stable ruthenium nanoparticles in aqueous media. Renewable Energy, 2022, 192, 35-45. | 8.9 | 4 |
| 30 | Editorial: Aqueous-Phase Catalytic Conversions of Renewable Feedstocks for Sustainable Biorefineries. Frontiers in Chemistry, 2020, 8, 629578. | 3.6 | 3 |