# Jackson D Scholten

## List of Publications by Year in Descending Order



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| 53 papers | 2,338 citations | 22 h-index | 48 g-index |
| 58 ext. papers | 2,491 ext. citations | 7.1 avg, IF | 5.24 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 53 | Surface active SNS-based dicationic ionic liquids containing amphiphilic anions: Experimental and theoretical studies of their structures and organization in solution. *Journal of Molecular Liquids*, **2021**, 344, 117725 | 6 | 1 |
| 52 | Sustainable Nitrogen Photofixation Promoted by Carbon Nitride Supported Bimetallic RuPd Nanoparticles under Mild Conditions. *ACS Sustainable Chemistry and Engineering*, **2021**, 9, 8721-8730 | 8.3 | 1 |
| 51 | Titanium dioxide nanotubes with triazine-methacrylate monomer to improve physicochemical and biological properties of adhesives. *Dental Materials*, **2021**, 37, 223-235 | 5.7 | 8 |
| 50 | Bimetallic RuPd nanoparticles in ionic liquids: selective catalysts for the hydrogenation of aromatic compounds. *New Journal of Chemistry*, **2021**, 45, 98-103 | 3.6 | 3 |
| 49 | Ionic liquid-loaded microcapsules doped into dental resin infiltrants. *Bioactive Materials*, **2021**, 6, 2667-2675 | 16.7 | 7 |
| 48 | Zinc-based particle with ionic liquid as a hybrid filler for dental adhesive resin. *Journal of Dentistry*, **2020**, 102, 103477 | 4.8 | 7 |
| 47 | Quantum chemistry study of the interaction between ionic liquid-functionalized TiO quantum dots and methacrylate resin: Implications for dental materials. *Biophysical Chemistry*, **2020**, 265, 106435 | 3.5 | 1 |
| 46 | Tantalum Oxide Nanoparticles Prepared from Imidazolium Ionic Liquids as Active Hybrid Materials for Enhanced Photocatalytic Degradation of Dyes. *ChemistrySelect*, **2020**, 5, 13285-13289 | 1.8 | |
| 45 | Ionic liquid as antibacterial agent for an experimental orthodontic adhesive. *Dental Materials*, **2019**, 35, 1155-1165 | 5.7 | 22 |
| 44 | When the strategies for cellular selectivity fail. Challenges and surprises in the design and application of fluorescent benzothiadiazole derivatives for mitochondrial staining. *Organic Chemistry Frontiers*, **2019**, 6, 2371-2384 | 5.2 | 13 |
| 43 | Synthesis of Hybrid Zinc-Based Materials from Ionic Liquids: A Novel Route to Prepare Active Zn Catalysts for the Photoactivation of Water and Methane. *ACS Sustainable Chemistry and Engineering* , **2019**, 7, 8090-8098 | 8.3 | 9 |
| 42 | Synergistic CO2 hydrogenation over bimetallic Ru/Ni nanoparticles in ionic liquids. *Applied Catalysis B: Environmental*, **2019**, 252, 10-17 | 21.8 | 25 |
| 41 | Isothiouronium salts as useful and odorless intermediates for the synthesis of thiaalkylimidazolium ionic liquids. *Tetrahedron Letters*, **2019**, 60, 780-784 | 2 | 3 |
| 40 | Plasma membrane imaging with a fluorescent benzothiadiazole derivative. *Beilstein Journal of Organic Chemistry*, **2019**, 15, 2644-2654 | 2.5 | 6 |
| 39 | The effect of an electron-withdrawing group in the imidazolium cation: the case of nitro-functionalized imidazolium salts as acidic catalysts for the acetylation of glycerol. *New Journal of Chemistry*, **2018**, 42, 10774-10783 | 3.6 | 5 |
| 38 | Structural, electronic and catalytic properties of palladium nanoparticles supported on poly(ionic liquid). *Applied Catalysis A: General*, **2018**, 562, 79-86 | 5.1 | 5 |
| 37 | Effect of the magnetic core of (MnFe)2O3@Ta2O5 nanoparticles on photocatalytic hydrogen production. *New Journal of Chemistry*, **2017**, 41, 326-334 | 3.6 | 5 |

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| 36 | Selective Pd-catalyzed hydrogenation of 3,3-diphenylallyl alcohol: Efficient synthesis of 3,3-diarylpropylamine drugs diisopromine and feniprane. *Catalysis Communications*, **2017**, 102, 53-56 | 3.2 | 1 |
| 35 | Sputtering deposition of gold nanoparticles onto graphene oxide functionalized with ionic liquids: biosensor materials for cholesterol detection. *Journal of Materials Chemistry B*, **2017**, 5, 9482-9486 | 7.3 | 19 |
| 34 | Challenging Thermodynamics: Hydrogenation of Benzene to 1,3-Cyclohexadiene by Ru@Pt Nanoparticles. *ChemCatChem*, **2017**, 9, 204-211 | 5.2 | 23 |
| 33 | Co, Rh, and Ir Nanoparticles **2016**, 25-40 | | |
| 32 | Synthesis and Characterisation of Fluorescent Carbon Nanodots Produced in Ionic Liquids by Laser Ablation. *Chemistry - A European Journal*, **2016**, 22, 138-43 | 4.8 | 64 |
| 31 | Interacting Superparamagnetic Iron(II) Oxide Nanoparticles: Synthesis and Characterization in Ionic Liquids. *Inorganic Chemistry*, **2016**, 55, 865-70 | 5.1 | 13 |
| 30 | Nanoparticle-Catalysts for Hydrogen Storage Based on Small Molecules **2016**, 2, | | 2 |
| 29 | Frontispiece: Synthesis and Characterisation of Fluorescent Carbon Nanodots Produced in Ionic Liquids by Laser Ablation. *Chemistry - A European Journal*, **2016**, 22, | 4.8 | 1 |
| 28 | Hybrid tantalum oxide nanoparticles from the hydrolysis of imidazolium tantalate ionic liquids: efficient catalysts for hydrogen generation from ethanol/water solutions. *Journal of Materials Chemistry A*, **2016**, 4, 7469-7475 | 13 | 31 |
| 27 | Ionic liquid effect: selective aniline oxidative coupling to azoxybenzene by TiO2. *Catalysis Science and Technology*, **2015**, 5, 1459-1462 | 5.5 | 19 |
| 26 | Mesoporous Foam TiO2 Nanomaterials for Effective Hydrogen Production. *Chemistry - A European Journal*, **2015**, 21, 17624-30 | 4.8 | 15 |
| 25 | Hydrogenation with Nanoparticles Using Supported Ionic Liquids **2014**, 263-278 | | 5 |
| 24 | TiO2 nanomaterials: Highly active catalysts for the oxidation of hydrocarbons. *Journal of Molecular Catalysis A*, **2014**, 383-384, 225-230 | | 19 |
| 23 | Metal Catalysts Immobilized in Ionic Liquids: A Couple with Opportunities for Fine Chemicals Derived from Biomass **2013**, 243-264 | | 1 |
| 22 | Controlled synthesis of Mn3O4 nanoparticles in ionic liquids. *Dalton Transactions*, **2013**, 42, 14473-9 | 4.3 | 38 |
| 21 | Coupling Reactions in Ionic Liquids **2013**, 201-234 | | |
| 20 | From Soluble to Supported Iridium Metal Nanoparticles: Active and Recyclable Catalysts for Hydrogenation Reactions. *Current Organic Chemistry*, **2013**, 17, 348-363 | 1.7 | 20 |
| 19 | Transition Metal Nanoparticle Catalysis in Ionic Liquids. *ACS Catalysis*, **2012**, 2, 184-200 | 13.1 | 284 |

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| 18 | Formation of Nanoparticles Assisted by Ionic Liquids **2012**, 1 | | 1 |
| 17 | Palladium nanoparticle catalysts in ionic liquids: synthesis, characterisation and selective partial hydrogenation of alkynes to Z-alkenes. *Journal of Materials Chemistry*, **2011**, 21, 3030 | | 90 |
| 16 | In situ generated palladium nanoparticles in imidazolium-based ionic liquids: a versatile medium for an efficient and selective partial biodiesel hydrogenation. *Catalysis Science and Technology*, **2011**, 1, 480 | 5.5 | 23 |
| 15 | Imidazolium ionic liquids as promoters and stabilising agents for the preparation of metal(0) nanoparticles by reduction and decomposition of organometallic complexes. *Nanoscale*, **2010**, 2, 2601-6 | 7.7 | 76 |
| 14 | On the structural and surface properties of transition-metal nanoparticles in ionic liquids. *Chemical Society Reviews*, **2010**, 39, 1780-804 | 58.5 | 669 |
| 13 | Carbon-carbon cross coupling reactions in ionic liquids catalysed by palladium metal nanoparticles. *Molecules*, **2010**, 15, 3441-61 | 4.8 | 128 |
| 12 | Decomposition of Formic Acid Catalyzed by a Phosphine-Free Ruthenium Complex in a Task-Specific Ionic Liquid. *ChemCatChem*, **2010**, 2, 1265-1270 | 5.2 | 45 |
| 11 | Tuning the selectivity of ruthenium nanoscale catalysts with functionalised ionic liquids: Hydrogenation of nitriles. *Journal of Molecular Catalysis A*, **2009**, 313, 74-78 | | 61 |
| 10 | Morphological and crystalline studies of isotactic polypropylene plastically deformed and evaluated by small-angle X-ray scattering, scanning electron microscopy and X-ray diffraction. *European Polymer Journal*, **2009**, 45, 700-713 | 5.2 | 26 |
| 9 | Alkene Hydroformylation Catalyzed by Rhodium Complexes in Ionic Liquids: Detection of Transient Carbene Species. *Organometallics*, **2008**, 27, 4439-4442 | 3.8 | 41 |
| 8 | Nanoscale Ru(0) particles: arene hydrogenation catalysts in imidazolium ionic liquids. *Inorganic Chemistry*, **2008**, 47, 8995-9001 | 5.1 | 120 |
| 7 | Catalytic gas-to-liquid processing using cobalt nanoparticles dispersed in imidazolium ionic liquids. *ChemSusChem*, **2008**, 1, 291-4 | 8.3 | 73 |
| 6 | Cobalt nanocubes in ionic liquids: synthesis and properties. *Angewandte Chemie - International Edition*, **2008**, 47, 9075-8 | 16.4 | 100 |
| 5 | On the involvement of NHC carbenes in catalytic reactions by iridium complexes, nanoparticle and bulk metal dispersed in imidazolium ionic liquids. *Dalton Transactions*, **2007**, 5554-60 | 4.3 | 88 |
| 4 | Structural aspects of transition-metal nanoparticles in imidazolium ionic liquids. *International Journal of Nanotechnology*, **2007**, 4, 541 | 1.5 | 57 |
| 3 | Intermolecular hydroamination and hydroarylation reactions of alkenes in ionic liquids. *Tetrahedron Letters*, **2006**, 47, 6775-6779 | 2 | 57 |
| 2 | Iridium Nanoparticles Prepared in Ionic Liquids: An Efficient Catalytic System for the Hydrogenation of Ketones. *Synlett*, **2004**, 2004, 1525-1528 | 2.2 | 6 |
| 1 | Catalytic Properties of Soluble Iridium Nanoparticles369-389 | | |